3573

Section A for the entry of Daily

AIR MINISTRY.—MET

FORM 1090.

FOR OFFICIAL USE.

AINFALL ORGANIZATION.

REGISTER 1931.

3573 —

HALLINGTON RES.

1931 – 40

78 07 02

Kept at Hallington

in the County of Northumb

Diameter of Funnel of Gauge 5 i

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 470 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	–	x ·14	–	·02	·02	–	–	·42	·01	–	–	1
2	–	·07	–	·57	·08	·57	·03	–	·03	·12	–	·01	2
3	–	–	x ·09	·05	–	·08	·24	–	·07	–	·26	·17	3
4	–	x ·06	–	·04	–	·07	–	–	·26	–	·09	·10	4
5	–	–	–	–	·03	·18	·10	–	·03	·06	·02	·47	5
6	–	x ·21	x ·13	–		75	·90	·41	–	·10	·01	–	6
7	–	–	x ·12	–	·13	·04	–	·24	–	·02	·13	·05	7
8	·09	·06	x ·24	–	·08	·58	1·20	·06	·05	·07	·10	–	8
9	–	·13	x ·14	–	·07	·05	–	·17	–	·19	·15	·01	9
10	–	·02	x ·15	–	·15	·25	·02	·07	–	–	·10	–	10
11	·04	·14	–	·11	–	·02	·23	–	·03	·04	·08	–	11
12	x ·12	–	–	·03	–	·05	·06	·40	–	–	–	–	12
13	x ·02	–	x ·45	–	·02	·15	·12	·02	–	–	–	–	13
14	·04	x ·07	–	·05	·13	·92	·02	·17	–	–	·11	·12	14
15	–	x ·22	·02	·26	·03	·05	–	·11	–	–	·03	–	15
16	·14	x ·31	–	·05	–	–	·02	·45	·18	–	–	–	16
17	–	x ·22	–	·50	–	·19	·34	1·69	–	·08	·23	–	17
18	x ·27	–	–	·15	–	·18	·12	–	·02	·02	·87	–	18
19	·05	·02	–	–	–	·02	·06	·58	·06	·04	–	–	19
20	·02	x ·21	–	–	–	–	–	·03	–	–	·02	·03	20
21	·07	x ·08	·01	·04	–	·03	–	·03	–	–	·02	–	21
22	–	·06	–	·16	·12	·02	·03	–	–	–	–	–	22
23	·09	–	–	·07	·24	·43	–	–	·04	·16	·10	·06	23
24	·05	·02	–	·17	·62	–	–	–	–	·03	·02	–	24
25	–	·03	–	·64	·02	–	·10	–	–	–	–	·01	25
26	–	–	–	·07	–	–	–	–	–	–	·66	–	26
27	·06	·02	·01	·33	–	·02	·09	–	–	·07	·01	·05	27
28	·20	x ·04	·01	·12	·53	–	–	–	–	–	·01	x ·02	28
29	x ·40	X	x ·03	–	·15	–	·06	–	–	·34	·02	x ·24	29
30	x ·09	X	–	·01	·35	–	–	–	·02	–	·01	·06	30
31	x ·07	X	–	X	·08	X	·10	–	X	·02	X	–	31
TOTAL	1·82	1·99	1·54	3·45	2·85	4·67	3·84	4·43	1·21	1·37	3·05	1·40	YEAR'S TOTAL 31·62
*Days with ·01 in. or more.	17	19	13	19	18	22	19	14	12	16	22	14	205
*Days with ·04 in. or more.	15	14	8	17	13	16	14	11	7	11	12	9	147

40-9999

x melted snow

(Signed) Arthur Hardcastle

[P.T.O.

*See Instruction 2 (*f*) on other side.

3573

Section **A** for the entry of Daily [redacted] FOR OFFICIAL USE.
AIR MINISTRY.—MET[redacted]AINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Hallington
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft - in.
,, Ground ,, Sea Level 470 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	-	-	× ·14	-	·02	·02	-	-	·42	·01	-	-	1
2	-	·07	-	·57	·08	·57	·03	-	·03	·12	-	·01	2
3	-	-	× ·09	·05	-	·08	·24	-	·07	-	·26	·17	3
4	-	× ·06	-	·04	-	·07	-	-	·26	-	·09	·10	4
5	-	-	-	-	·03	·18	·10	-	·03	·06	·02	·47	5
6	-	× ·21	× ·13	-	-	75	·90	·41	-	·10	·01	-	6
7	-	-	× ·12	-	·13	·04	-	·24	-	·02	·13	·05	7
8	·09	·06	× ·24	-	·08	·58	1·20	·06	·05	·07	·10	-	8
9	-	·13	× ·14	-	·07	·05	-	·17	-	·19	·15	·01	9
10	-	·02	× ·15	-	·15	·25	·02	·07	-	-	·10	-	10
11	·04	·14	-	·11	-	·02	·23	-	·03	·04	·08	-	11
12	× ·12	-	-	·03	-	·05	·06	·40	-	-	-	-	12
13	× ·02	-	× ·45	-	·02	·15	·12	·02	-	-	-	-	13
14	·04	× ·07	-	·05	·13	·92	·02	·17	-	-	·11	·12	14
15	-	× ·22	·02	·26	·03	·05	-	·11	-	-	·03	-	15
16	·14	× ·31	-	·05	-	-	·02	·45	·18	-	-	-	16
17	-	× ·22	-	·50	-	·19	·34	1·69	-	·08	·23	-	17
18	× ·27	-	-	·15	-	·18	·12	-	·02	·02	·87	-	18
19	·05	·02	-	-	-	·02	·06	·58	·06	·04	-	-	19
20	·02	× ·21	-	-	-	-	-	·03	-	-	·02	·03	20
21	·07	× ·08	·01	·04	-	·03	-	·03	-	-	·02	-	21
22	-	·06	-	·16	·12	·02	·03	-	-	-	-	-	22
23	·09	-	-	·07	·24	·43	-	-	·04	·16	·10	·06	23
24	·05	·02	-	·17	·62	-	-	-	-	·03	·02	-	24
25	-	·03	-	·64	·02	-	·10	-	-	-	-	·01	25
26	-	-	-	·07	-	-	-	-	-	-	·66	-	26
27	·06	·02	·01	·33	-	·02	·09	-	-	·07	·01	·05	27
28	·20	× ·04	·01	·12	·53	-	-	-	-	-	·01	× ·02	28
29	× ·40	×	× ·03	-	·15	-	·06	-	-	·34	·02	× ·24	29
30	× ·09	×	-	·01	·35	-	-	-	·02	-	·01	·06	30
31	× ·07	×	-	×	·08	×	·10	-	×	·02	×	-	31
TOTAL	1·82	1·99	1·54	3·45	2·85	4·67	3·84	4·43	1·21	1·37	3·05	1·40	YEAR'S TOTAL 31·62
*Days with ·01 in. or more.	17	19	13	19	18	22	19	14	12	16	22	14	205
*Days with ·04 in. or more.	15	14	8	17	13	16	14	11	7	11	12	9	147

40-9999

× melted snow.

(Signed) Arthur Hardcastle. [P.T.O.

*See Instruction 2 (*f*) on other side.

3573

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Hallington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 470 ft.

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

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Jan. 1, following

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·07	-	-	·06	-	-	-	·02	·26	·10	·03	-	1
2	·09	-	-	-	·27	-	·23	-	·06	·06	·11	·17	2
3	·05	·02	-	·08	-	-	·03	-	·21	·01	·03	·09	3
4	·02	-	-	-	·10	·02	·30	·02	·05	-	-	·02	4
5	·10	-	·10	·04	·20	-	-	-	·07	-	-	-	5
6	·05	-	·03	·04	-	-	-	-	·20	·12	-	·08	6
7	-	-	·20	·18	·02	·03	-	-	·22	·04	-	-	7
8	-	·12	-	·06	·13	-	-	-	·29	·43	·01	-	8
9	·27	x ·13	-	·75	·17	-	-	-	·05	·10	-	·08	9
10	·02	x ·05	x ·02	·22	·02	-	-	-	·51	·54	-	·12	10
11	·02	x ·08	x ·12	·04	·35	·04	·38	-	·02	·34	-	-	11
12	·07	-	·01	-	·28	-	·29	·02	-	·08	·07	-	12
13	·08	·07	-	-	·15	-	·33	·05	·33	·04	-	·12	13
14	·03	-	-	·19	-	-	-	-	-	·04	·05	-	14
15	·06	-	-	-	·05	-	-	-	-	·06	·25	·05	15
16	·56	-	-	-	-	-	-	-	-	·04	·04	·28	16
17	-	-	·01	·01	-	-	·11	-	-	·38	-	·11	17
18	-	-	-	-	·02	-	-	-	-	-	-	-	18
19	-	·02	·06	·09	·01	-	-	-	-	·11	-	-	19
20	-	-	·10	·12	·13	-	-	·52	-	·10	-	·01	20
21	·01	-	·34	-	·12	-	-	·77	-	·68	-	-	21
22	-	-	·61	·11	-	-	·07	-	-	·05	·26	-	22
23	-	·03	-	·12	-	-	·15	-	·06	·10	·01	·01	23
24	·01	·02	·01	-	·02	-	·09	-	·12	-	-	-	24
25	-	·02	-	-	·06	-	·08	·03	·15	·15	·06	-	25
26	-	·02	-	-	·12	-	·22	-	·35	·03	·06	-	26
27	-	·01	·18	·06	·05	·50	·28	-	-	·23	·02	·01	27
28	-	-	·02	·19	·50	·50	-	-	-	·28	-	-	28
29	-	-	·51	-	·05	-	·28	·45	·01	·10	·08	·11	29
30	-	✕	·04	-	-	·16	·18	·08	·75	·18	·09	-	30
31	-	✕	·01	✕	-	✕	-	-	✕	-	✕	·02	31
TOTAL	1·51	·59	2·37	2·36	2·82	1·25	3·02	1·96	3·71	4·39	1·17	1·28	YEAR'S TOTAL 26·43
*Days with ·01 in. or more.	16	12	14	17	21	6	15	9	18	26	15	15	187
*Days with ·04 in. or more.	10	5	10	16	16	4	14	5	16	24	10	10	140

40-9999

x Melted snow

*See Instruction 2 (*f*) on other side.

(Signed) Arthur Hardcastle [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Hallington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 470 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·03	·07	·03	-	·01	·03	-	-	-	-	·13	·01	1
2	·06	·01	·14	-	-	·06	-	-	-	-	·55	·02	2
3	-	·05	·23	-	·20	-	-	-	-	-	·45	-	3
4	·08	·13	·10	-	·07	-	-	-	-	-	-	-	4
5	·13	·04	·01	-	·14	-	-	-	-	-	·02	-	5
6	-	·17	·06	-	·20	-	-	-	-	-	·02	·10	6
7	·05	·21	-	-	·03	-	-	-	-	·81	-	-	7
8	·02	·03	-	·06	·08	·06	·01	·07	-	-	-	·06	8
9	-	·32	-	-	·01	·02	·51	-	-	·22	·05	·06	9
10	·07	*·02	-	-	-	·10	·17	-	-	·02	·03	·04	10
11	-	-	-	-	·01	-	·05	-	-	·02	-	·03	11
12	-	-	-	-	·07	·15	·02	-	-	-	-	·09	12
13	-	-	·04	-	·08	-	·29	·06	·01	·11	·07	·03	13
14	·08	-	·02	-	·11	-	·21	·05	-	-	·17	·05	14
15	·10	-	·04	·03	-	·06	·03	·05	-	·10	·28	·02	15
16	·08	-	·12	·09	·24	·04	·35	·02	-	-	·31	·02	16
17	·12	-	-	·12	-	1·06	-	·02	·02	-	·42	-	17
18	·03	·18	·07	·04	·01	·22	-	·15	-	-	·58	·01	18
19	-	·03	·05	·03	-	·12	·53	·23	·14	-	·09	-	19
20	-	× ·04	·02	-	·08	-	-	·05	·25	·06	-	-	20
21	-	·01	-	-	·01	·03	-	·03	·22	·19	07 ~~04~~	-	21
22	-	-	-	-	-	-	-	·02	·01	·50	·01	-	22
23	-	·11	-	-	·08	·07	-	·27	·15	·09	·04	-	23
24	-	·26	-	·47	·10	·12	-	·01	·18	·06	·01	·13	24
25	-	1·00	-	·21	-	·01	-	·04	·55	·26	-	·02	25
26	-	1·26	-	·22	·01	-	-	-	·10	·04	·02	·02	26
27	·01	·12	-	-	-	-	·30	-	-	·05	·12	·05	27
28	-	-	-	·03	·01	-	·04	·76	·01	·62	·01	·17	28
29	-	×	·02	·16	-	-	·34	·06	-	·24	-	-	29
30	·05	×	·01	·07	·02	-	·03	-	·03	·03	-	·03	30
31	·21	×	-	×	-	×	·02	·06	×	-	×	·05	31
TOTAL	1·12	4·06	·96	1·53	1·57	2·15	2·90	1·95	1·67	3·42	3·45	1·01	YEAR'S TOTAL 25·79
*Days with ·01 in. or more.	15	19	15	12	21	15	15	17	12	17	21	20	199
*Days with .04 in. or more.	11	14	9	9	12	11	10	12	7	14	14	10	133

40-9999 × melted snow

*See Instruction 2 (*f*) on other side.

(*Signed*) Arthur Hardcastle

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Hallington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 470 ft.

TL

~~Dago~~ J.Q.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	–	–	·02	–	–	–	·09	·09	–	–	–		1
2	–	–	·07	·01	–	–	–	·47	·19	–	·24	·20		2
3	–	·02	–	–	–	–	–	–	–	·06	·21	·28		3
4	·09	–	·02	·08	–	–	–	–	–	·11	·13	·42		4
5	·01	–	·17	*·04	·09	–	–	–	–	·07	·15	·08		5
6	·06	–	·07	·03	·16	·05	–	·76	·01	·06	·16	·10		6
7	·04	·04	–	·04	·03	·30	–	–	–	·05	–	·07		7
8	–	–	·15	–	·10	·07	–	·02	·03	·12	–	·05		8
9	–	–	–	·43	–	–	–	·03	·06	·03	·72	–		9
10	·01	–	·65	·37	–	–	–	·65	–	–	1·21	–		10
11	·05	–	1·00	1·05	–	–	–	·03	–	–	·01	·12		11
12	–	–	1·25	·33	·03	–	·65	·20	–	–	·13	·13		12
13	·25	–	·12	·01	–	–	1·27	·03	·01	·06	–	–		13
14	·19	–	·15	–	·04	·01	·23	–	·01	·03	·03	·18		14
15	–	–	·05	·05	·28	–	–	·02	–	·41	·09	·20		15
16	·15	–	·04	–	·03	–	–	–	–	–	·12	–		16
17	·11	–	·06	–	·06	–	·64	–	·17	·06	·03	·14		17
18	·69	–	·02	–	·27	·03	·34	·04	–	–	–	·02		18
19	–	–	·19	·35	·04	·09	·05	–	·04	·06	–	·04		19
20	–	–	·02	·01	·04	·11	·01	·20	·01	·02	–	–		20
21	–	–	–	–	–	·92	–	·02	·04	–	–	–		21
22	–	–	–	·05	–	·62	·01	·06	·44	·03	–	·06		22
23	–	–	·05	·07	·02	–	·15	·02	–	·10	·16	·15		23
24	–	·03	·02	·08	·04	·05	–	·01	·02	·63	–	·02		24
25	–	·01	–	·09	–	–	·01	–	·05	·05	–	·49		25
26	·03	–	·01	·14	–	·10	–	–	·06	·19	–	·02		26
27	–	·28	–	·25	–	·11	·02	–	–	·16	–	·05		27
28	–	·02	–	·25	–	–	·03	·24	–	·01	–	·26		28
29	–	×	·06	·02	–	–	·18	·34	·47	·65	–	·21		29
30	·12	×	·01	–	–	–	–	–	·21	1·00	–	·25		30
31	·03	×	–	×	–	×	–	·03	×	–	×	–		31
TOTAL	1·86	·40	4·18	3·77	1·23	2·46	3·59	3·26	1·91	3·96	3·39	3·84	Year's Total 33·85	
*Days with ·01 in. or more.	15	6	21	22	14	12	13	19	17	22	14	23	198	
*Days with ·04 in. or more.	10	2	15	16	10	10	8	10	11	17	11	20	140	

40-9999

× Melted snow

† Spare column, no entries required.

(Signed) Arthur Hardcastle

[P.T.O.

*See Instruction 2 (*f*) on other side.

See DL

3573

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Hallington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 470 ft.

24

JK Days

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Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·58	·05	·16	–	–	–	·15	–	·15	·12	–	·38		1
2	–	–	·14	·01	–	·09	–	–	·02	·60	–	–		2
3	–	·11	·11	·11	–	·24	–	–	–	–	·14	–		3
4	–	–	·04	–	–	·33	–	–	–	·26	·04	–		4
5	·13	·23	·02	–	–	·06	·04	–	·13	·14	·07	–		5
6	·15	·01	–	–	–	·09	–	–	–	·13	·05	–		6
7	× ·30	–	–	·15	–	·10	–	–	–	–	·19	·04		7
8	–	–	–	·13	–	·02	–	–	–	·15	·01	·08		8
9	× ·02	–	–	·17	–	·04	–	–	–	·28	·15	·07		9
10	–	·06	–	·10	–	·12	–	–	–	·11	·18	–		10
11	·17	·01	–	·07	–	–	–	·22	–	·02	·01	·05		11
12	–	·08	–	–	–	·01	–	–	·01	–	–	·01		12
13	× ·14	·03	–	·03	·30	·04	·02	–	·07	–	–	·01		13
14	–	–	·06	·01	·01	·04	–	–	·01	–	·13	·08		14
15	·02	·22	–	·21	·09	·24	–	·02	·12	·29	·04	·13		15
16	–	·44	·11	·55	× ·29	–	·13	·40	·50	·02	·25	·04		16
17	–	–	–	·23	·02	·06	–	·25	·09	·06	1·30	·02		17
18	·04	·10	–	·07	–	·38	·03	·31	·16	·38	·05	–		18
19	·02	·02	–	·09	–	·12	·35	–	·01	·10	·03	–		19
20	–	·12	–	·25	–	·07	–	–	·01	–	·06	–		20
21	–	–	·01	·07	–	–	–	–	·74	·45	·21	–		21
22	–	× ·25	·05	·27	–	–	–	–	·03	–	·07	–		22
23	·05	–	–	·07	–	–	–	·12	–	·13	–	–		23
24	·13	1·34	·11	·03	–	–	–	–	·39	–	–	·19		24
25	·32	·06	·02	–	–	·03	–	–	–	–	·16	·20		25
26	·03	·02	–	·02	–	·09	·01	·77	·16	·05	·01	·17		26
27	·05	·03	–	–	–	·01	·03	–	·06	·17	·01	·07		27
28	·06	·07	–	–	–	–	–	·03	·16	·32	·13	–		28
29	·01	×	·15	–	–	·03	–	·01	·15	·22	·19	·08		29
30	–	×	–	–	–	·06	–	·05	·10	·72	·33	–		30
31	–	×	–	×	–	×	–	–	×	·06	×	·13		31
TOTAL	2·22	3·25	·98	2·64	·71	2·27	·76	2·18	3·07	4·78	3·84	1·75	Year's Total. 28.45	
* Days with .01 in. or more.	17	19	12	20	5	22	8	10	20	22	24	17	196	
* Days with .04 in. or more.	12	13	9	15	3	17	4	7	14	20	19	14	147	

40-9999 × Melted snow

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle.

[P.T.O.

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations. Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Total

400

TL

Kept at Hallington Res.
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft – in.
,, Ground ,, Sea Level 470 ft.

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·31	·11	·54	-	-	·09	·37	·40	·25	-	-	-		1
2	·01	-	·11	-	-	·03	·15	·15	·12	-	·01	·04		2
3	·01	-	-	-	-	·72	-	·02	·35	-	-	·02		3
4	·26	-	·01	-	·01	·03	·03	·17	·20	·02	·12	·25		4
5	·22	-	-	-	·01	-	-	-	·03	-	·05	-		5
6	·12	-	-	·01	·02	-	·03	·47	·45	-	·13	-		6
7	·03	-	·05	-	-	-	·31	-	·09	-	·04	·01		7
8	·18	-	·02	-	-	-	-	-	-	·01	·04	-		8
9	·40	·02	·44	-	-	·07	·02	·05	·19	·07	·26	-		9
10	·16	-	-	·05	-	-	-	-	-	·05	·03	-		10
11	-	-	-	·19	-	·02	·18	·19	·02	·02	·77	·14		11
12	-	-	-	·20	·02	·06	·01	·08	·72	-	·34	·10		12
13	-	-	-	·26	-	-	·05	-	-	·11	·02	·45		13
14	-	-	-	·08	-	·30	·02	·06	·07	-	-	·37		14
15	-	-	-	·10	·16	·02	·27	·04	·06	-	·17	·03		15
16	-	-	-	-	-	-	-	-	-	·02	·41	·03		16
17	·12	·15	-	·02	·10	-	·14	-	-	·15	·70	·16		17
18	-	·14	-	·17	-	-	·06	·04	-	·20	·02	·15		18
19	·30	·10	-	-	-	-	·07	·04	-	·01	-	·06		19
20	·45	·10	·03	·01	-	-	·19	·03	-	·01	-	-		20
21	·02	·06	·09	-	-	-	·10	-	-	-	-	·02		21
22	·05	·23	-	-	·04	·19	·07	-	-	-	-	-		22
23	·02	·01	·05	·35	·07	-	·43	-	-	·06	-	-		23
24	·02	·30	·01	·01	·85	-	·01	-	1·13	·70	-	-		24
25	·28	-	·07	-	-	-	·06	-	·55	·04	-	·02		25
26	·01	·10	·36	-	-	-	·02	-	·10	·50	-	-		26
27	·02	-	·06	-	·01	-	-	-	·16	·11	-	-		27
28	·12	·74	-	·01	-	-	·11	-	-	-	-	-		28
29	·56	·60	·15	-	·26	·70	·10	-	-	·20	-	·01		29
30	·01	×	·01	-	-	·05	·18	-	·01	·19	·01	-		30
31	·03	×	·25	×	·03	×	-	-	×	-	×	·12		31
TOTAL	3·71	2·66	2·25	1·46	1·58	2·28	2·98	1·74	4·50	2·47	3·12	1·98	Year's Total 30·73	
*Days with ·01 in. or more.	24	13	16	13	12	12	24	13	17	18	16	17	195	
*Days with ·04 in. or more.	14	11	11	8	6	8	17	11	14	17	11	10	133	

40-9999 × Melted snow.

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Hallington Res

in the County of Northumb'd.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

„ Ground „ Sea Level 470 ft.

400

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

T-L

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	·01	·25	-	-	·11	-	-	·10	·16	-	·04		1
2	·06	·26	·01	·11	-	·10	-	-	·09	·01	-	·14		2
3	-	·06	-	·13	·19	·14	·30	-	·01	-	-	·19		3
4	·14	-	·12	·07	-	-	·04	-	-	-	-	·13		4
5	·16	-	·19	·01	·24	·03	·19	-	·81	-	-	·62		5
6	·06	-	·04	·15	·07	-	·04	-	·05	-	·06	-		6
7	-	·32	·18	·32	·07	·05	·04	-	·06	·01	·02	·60		7
8	-	·30	·03	·14	-	-	·23	·01	-	·01	·04	·30		8
9	-	·03	·07	·01	-	-	·20	·11	-	-	-	·10		9
10	-	-	·03	-	·17	·01	·13	-	-	-	·13	·01		10
11	-	-	·46	·06	-	-	-	-	-	-	-	·65		11
12	·10	·20	·35	·08	·05	-	-	·45	·16	·01	-	·16		12
13	-	·05	·03	·10	·02	·02	-	·17	·04	-	-	·31		13
14	-	·04	-	-	-	·27	-	·45	·06	-	-	·31		14
15	·01	·52	-	·19	-	·01	·65	·01	·18	-	-	·05		15
16	·07	·04	·22	·23	-	·01	-	·16	-	-	-	·42		16
17	·05	·01	·23	-	·11	·03	-	·03	·83	-	-	·10		17
18	-	·24	·06	·13	-	·05	-	·07	·02	-	·11	-		18
19	-	·11	·02	·01	-	·16	-	·03	·39	-	·52	-		19
20	·07	-	·03	·10	·77	·06	-	-	·03	·02	-	-		20
21	·04	-	·03	·08	·45	·01	·46	-	-	·01	-	·12		21
22	·02	-	·23	·04	·06	-	·07	-	-	·07	·08	·03		22
23	·10	-	·01	-	·02	·01	·11	-	-	·84	·04	-		23
24	·10	·02	·02	-	·06	-	·18	-	·10	·06	-	·01		24
25	·11	·32	-	-	·05	-	·01	·04	-	·19	-	-		25
26	·03	·20	-	-	·41	-	-	-	-	-	·01	-		26
27	·02	·53	·02	·08	-	-	-	-	·01	·54	-	·04		27
28	·19	-	-	-	-	·08	-	-	-	·27	-	·03		28
29	·28	X	·01	-	-	-	-	·02	-	·12	·02	·05		29
30	·30	✕	-	-	-	·12	-	·78	·07	-	·01	·05		30
31	·62	✕	-	✕	-	✕	-	·19	✕	·14	✕	-		31
TOTAL	2·61	3·26	2·64	2·04	2·74	1·27	2·65	2·52	3·01	2·46	1·04	4·46	Year's total 30·40	
* Days with .01 in. or more.	21	18	23	19	15	18	14	14	17	15	11	23	208	
* Days with .04 in. or more.	17	14	12	16	13	10	13	9	13	9	7	19	152	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) [P.T.O.

× Melted Snow

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938.

Kept at Hallington Res., Newcastle, N.W.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 470 ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

J. L.

Total

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	·11	-	-	-	1·01	·07	-	-	-	·15	·19		1
2	·02	-	-	·07	-	·19	-	-	·05	·37	·01	·10		2
3	·05	-	-	·02	-	-	·08	-	·20	·39	·11	-		3
4	·05	-	-	·03	-	·03	·24	-	-	·19	-	·39		4
5	-	·07	-	-	-	-	·20	·12	·06	·15	-	·07		5
6	·10	-	·02	-	-	-	·02	-	-	·11	·01	·01		6
7	·07	-	-	-	-	-	·30	·13	·04	·07	·13	-		7
8	·02	-	-	-	-	-	·10	·02	-	·54	·42	·20		8
9	·13	·04	-	-	·18	·07	·03	-	-	·10	-	·28		9
10	-	-	-	-	-	·37	·04	-	-	·07	-	·03		10
11	·06	-	-	-	-	·06	·05	-	-	·10	·03	·06		11
12	·03	*·02	-	-	-	-	-	·90	-	·26	·18	·01		12
13	·10	·12	-	-	·07	-	·01	-	·13	·03	·19	·10		13
14	·05	·02	-	-	·18	-	-	-	-	·01	-	·06		14
15	·12	·09	-	-	·01	-	·03	·18	-	·03	-	·27		15
16	·30	·05	·01	-	·01	-	·02	·03	·09	·08	-	·08		16
17	-	-	·01	-	·24	-	·01	·02	·05	·58	-	-		17
18	·04	·03	-	-	·01	·01	-	·02	·15	·25	·07	·05		18
19	-	-	·23	-	·01	·01	-	·23	-	-	·03	·25		19
20	·04	-	·42	-	-	·17	-	·05	·09	-	-	·28		20
21	-	-	·02	·01	-	-	-	-	·01	-	·10	·11		21
22	-	·05	·03	-	·03	-	-	-	-	-	·16	·14		22
23	·01	-	-	-	·08	·30	-	·01	·01	-	·26	·16		23
24	·07	-	·02	·05	-	·07	·05	·34	·10	·29	-	·04		24
25	·01	-	-	-	·05	-	1·05	·03	-	·31	·15	·12		25
26	·04	·21	·06	·01	·01	·09	-	-	-	·21	·02	·01		26
27	·06	·08	-	·03	·25	·17	·14	·15	·01	·02	·04	—		27
28	·25	·02	-	-	·78	·45	-	-	·12	·01	·02	·05		28
29	·01	X	-	·01	·22	·10	·01	-	-	·03	-	·02		29
30	·06	✕	-	-	·02	·01	·02	·27	·27	-	·11	—		30
31	·20	✕	·02	✕	·34	✕	-	-	✕	·11	✕	·45		31
TOTAL	1·91	·91	·84	·23	2·42	3·11	2·47	2·50	1·38	4·31	2·19	3·53	Year's Total 25·80	
* Days with .01 in. or more.	25	13	10	8	17	16	19	15	15	24	19	26	207	
* Days with .04 in. or more.	18	9	3	2	10	12	11	9	12	18	13	21	138	

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

* Melted snow

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at Hallington Res., Newc W.W.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 470 ft.

TRAVELLING FORM

VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·46	-	·01	-	-	-	·03	·04	·08	·36	·07	·12		1
2	·14	-	-	·09	-	-	·11	·30	1·03	·03	·19	-		2
3	—	-	·02	·01	-	-	·04	·39	·18	-	·06	·05		3
4	× ·07	-	·25	-	-	-	·08	-	·05	-	·15	-		4
5	–	-	·15	-	·02	-	·60	·12	-	·34	·30	·18		5
6	·05	·01	·01	-	-	-	·34	-	-	·05	·05	-		6
7	·05	·04	·09	-	·26	-	-	·07	-	·09	-	·03		7
8	·91	·07	·20	-	-	-	·10	-	·03	-	·04	·43		8
9	·14	·11	-	·01	-	-	·29	·21	-	·93	·03	·25		9
10	·05	·01	·04	-	-	·02	-	·06	·10	·10	-	-		10
11	·24	·04	·31	-	·03	·22	-	·02	·05	·02	·05	·04		11
12	·01	·06	-	-	-	·01	·05	-	-	·82	·04	-		12
13	·04	-	-	-	·20	·05	·01	-	·01	·59	·01	-		13
14	·32	-	·02	-	·12	·34	·15	-	-	·26	·05	-		14
15	·21	·06	-	·02	·02	·56	-	-	-	·02	·04	·03		15
16	·20	·04	·06	-	·12	-	-	-	-	-	·02	-		16
17	·52	·04	·01	·04	·05	-	-	-	-	-	·02	-		17
18	·74	·04	·09	-	-	·04	·10	-	-	·11	·72	-		18
19	·16	-	-	-	·02	·22	-	-	-	-	-	·07		19
20	·01	-	-	-	·05	·05	-	·05	-	·01	-	-		20
21	·14	-	·04	·08	·02	-	-	·25	-	·02	-	-		21
22	·17	·19	·07	·08	-	-	·03	-	-	-	·07	·01		22
23	·02	·15	-	·25	-	·09	-	-	-	·02	-	·02		23
24	—	·01	·20	·50	-	·03	-	-	-	-	-	-		24
25	·20	·20	·11	·02	-	-	-	·05	-	-	·32	·02		25
26	·06	·01	·09	·03	-	-	-	·56	·03	·60	·02	-		26
27	× ·12	·19	1·02	-	-	·20	·06	·20	-	·28	·05	-		27
28	·04	·07	·80	·11	-	·07	·12	-	-	-	·26	× ·08		28
29	·01	X	·05	·02	-	-	·40	-	-	·54	·11	× ·03		29
30	·02	✕	-	·01	-	·12	·04	-	-	·39	·59	-		30
31	-	✕	-	✕	-	✕	·18	·03	✕	·10	✕	-		31
TOTAL	5·10	1·34	3·64	1·27	·91	2·02	2·73	2·35	1·56	5·71	3·26	1·36	Year's Total 31·25	
* Days with .01 in. or more.	27	18	21	14	11	14	18	14	9	21	23	14	204	
* Days with .04 in. or more.	22	14	16	7	6	11	15	12	6	15	18	8	150	

× Melted snow

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle

[P.T.O.

COPY FOR OFFICIAL USE

Jan —

Section **A** for the entry of Daily Observations

Station No. 3573

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~34~~0.

January corrected for snow.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

TC

Kept at Hallington Res., N'cas. W.W.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 470 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	x ·05	-	01	·01	-	·05	-	-	-	·08	·03		1
2	-	-	-	·01	-	-	·02	-	-	-	·28	·09		2
3	·06	·10	-	·12	-	-	·24	-	-	-	-	-		3
4	-	x ·40	-	·01	-	-	·05	-	-	·12	01	·16		4
5	-	·04	-	·01	·23	-	·04	·01	-	·15	·14	·32		5
6	·12	·01	-	-	-	-	·08	-	-	·24	·14	·42		6
7	·14	·16	-	·06	·05	-	-	·04	·06	-	-	-		7
8	-	-	-	·01	-	-	-	·28	·05	·12	·11	·06		8
9	-	-	·24	-	-	-	·28	01	-	·21	·23	·01		9
10	-	-	-	-	-	-	·65	·10	-	-	·20	-		10
11	-	x ·05	·58	-	-	-	·45	-	·02	-	·56	-		11
12	-	·02	·46	-	-	-	-	·01	·04	-	-	-		12
13	-	x ·11	·04	-	-	-	·22	-	·03	-	·04	·01		13
14	-	x ·16	·11	·04	-	-	·48	-	·08	·01	-	·04		14
15	x ·06	-	-	-	·06	-	-	-	-	-	·12	·01		15
16	·13	-	·02	-	-	-	·22	-	·89	·22	·06	·02		16
17	-	-	·14	-	-	-	1·18	-	·09	·04	·64	-		17
18	-	x ·02	·12	·04	-	-	·24	13	·04	-	·10	·10		18
19	-	·01	·04	·11	-	-	·02	-	·22	·02	·18	·02		19
20	-	·04	·09	·08	-	-	·03	·34	·05	-	·06	-		20
21	x ·13	-	·20	·06	-	·33	·06	·02	-	·21	-	-		21
22	-	·02	·16	·02	·14	·16	-	·02	·25	·44	-	-		22
23	-	·08	·05	·24	·04	-	·16	·02	·02	·20	·12	·01		23
24	·11	·01	-	·04	·15	·01	·14	-	01	·13	-	·04		24
25	-	-	-	-	·03	·01	·21	-	-	·01	-	·01		25
26	x ·28	·10	-	-	·09	·08	·54	·10	·02	-	-	-		26
27	(10) 10	·13	-	·04	-	·02	·05	-	-	·06	-	-		27
28	08	·05	-	·01	-	-	·03	·04	-	-	·01	·01		28
29	07	-	·33	-	-	·03	-	-	-	-	-	·15		29
30	09			·01	·01	-	-	-	-	·14	·02	·60		30
31	15		·31		-		-	-		·09		·04		31
TOTAL	1·55 ~~1·25~~	1·59	3·28	1·01	·81	·64	6·19	1·15	1·90	2·44	3·13	2·45	Year's Total ~~25·89~~	26·17
* Days with .01 in. or more.	12	19	15	18	10	4	23	13	15	14	19	20	188	
* Days with .04 in. or more.	10	13	14	10	4	3	19	4	10	13	16	11	133	

x Melted snow

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*)

[P.T.O.

✓ IVY

3574

FORM 1090.

B Mo Su

—

3574

FAWCETT (NEWCASTLE WW)

1931 — 40

780702

*** The following register of monthl &c., is NOT required if daily o values are given on the other si ... nd also the space for ... ster should be sent:—

RAINFALL IN 1931

At Fawcett

In the County of Northum

Rain Gauge
- Diameter of Funnel 5
- *Height of Top above Ground* 1 *ft*
- *Height of Ground above Sea Level* 5

in Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Num Day ·01 i or mo	
	Inches.	Inches.	Date.	*	
JAN.	1·90				
FEB.	1·84				
MAR.	1·79				
APRIL	3·26				
MAY	2·71				
JUNE	4·42				
JULY	3·93				
AUG.	4·42				
SEPT.	1·11				
OCT.	1·40				
NOV.	3·19				
DEC.	1·41				
Total	31·38 ✓				

Signature Arthur J Hardcastle

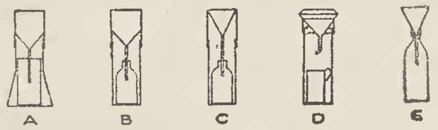
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

150

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c|c} 17 & \\ 18 & \end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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✓ IV 3574

FORM 1090. **B** Mo
Su

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Fawcett

In the County of Northumba

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 537 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·90				
FEB.	1·84				
MAR.	1·79				
APRIL	3·26				
MAY	2·71				
JUNE	4·42				
JULY	3·93				
AUG.	4·42				
SEPT.	1·11				
OCT.	1·40				
NOV.	3·19				
DEC.	1·41				
Total	31·38 ✓				

Signature Arthur J Ward Castle

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station................. Distance................. Direction from gauge.................

Nearest Parish Church at................. Distance................. Direction from gauge.................

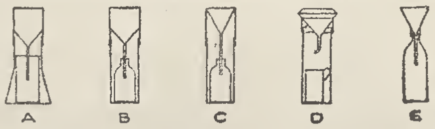
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move................. Distance................. Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

150

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, **i.e.**, the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

B Monthly Summary.

C Particulars of Station.

3574

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Fawcett

In the County of Northumbd

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft* 2 *in.*

Height of Ground above Sea Level 534 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·63				
FEB.	·49				
MAR.	2·48				
APRIL	2·42				
MAY	2·64				
JUNE	1·47				
JULY	3·28				
AUG.	1·84				
SEPT.	3·86				
OCT.	4·47				
NOV.	1·22				
DEC.	1·56				
Total	27.36				

Signature Arthur Hardcastle.

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

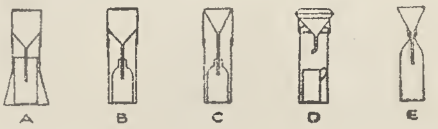
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
5 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3574

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

At Hawcett

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 534 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1.31				
FEB.	4.29				
MAR.	1.00				
APRIL	1.56				
MAY	1.55				
JUNE	2.29				
JULY	3.01				
AUG.	1.75				
SEPT.	1.63				
OCT.	3.36				
NOV.	3.36				
DEC.	.92				
Total	26.03				

Signature Arthur Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

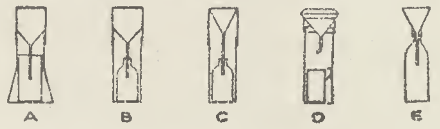
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3574

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Fawcett

In the County of Northumba

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 537 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1.81				
FEB.	·36				
MAR.	3.76				
APRIL	3.35				
MAY	1.22				
JUNE	2.25				
JULY	3.57				
AUG.	3.28				
SEPT.	1.99				
OCT.	4.05				
NOV.	3.00				
DEC.	4.02				
Total	32.66				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

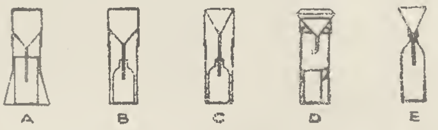
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TL

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3574

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Fawcett

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 537 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in or more
	Inches	Inches	Date	*	*
JAN.	2.03				
FEB.	3.19				
MAR.	·98				
APRIL	2.57				
MAY	·70				
JUNE	2.10				
JULY	·82				
AUG.	2.38				
SEPT.	3.35				
OCT.	4.84				
NOV.	3.58				
DEC.	1.84				
Total	28.38				

Signature Arthur Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

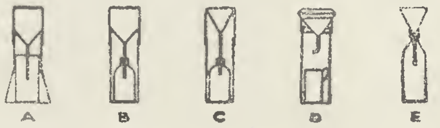
Nature of objects nearest to gauge				
Height of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O.
6 JAN 1936

TL

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following* 9 *a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3574

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals &c., is required if daily or weekly values are not given on the other side.

RAINFALL IN 1936

At Hallington (~~Fawcett~~)

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 537 *ft.*

Months	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches.	Inches.	Date.		
JAN.	4.70				
FEB.	2.54 ✓				
MAR.	2.14 ✓				
APRIL	1.26 ✓				
MAY	1.57 ✓				
JUNE	2.26 ✓				
JULY	3.30 ✓				
AUG.	1.74 ✓				
SEPT.	4.67 ✓				
OCT.	2.78 ✓				
NOV.	3.25				
DEC.	2.32 ✓				
Total	32.53 ✓				

Signature

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR [illegible]
ENGINEER

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

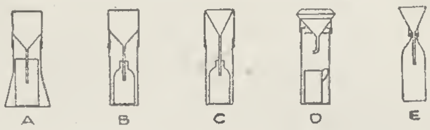
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TL

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply also to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The raingauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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40-9999

3574

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Hallington (Fawcett)

In the County of Northumb'd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 537 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.05				
FEB.	3.37				
MAR.	3.19				
APRIL	2.13				
MAY	2.70				
JUNE	1.42				
JULY	2.74				
AUG.	2.57				
SEPT.	3.33				
OCT.	2.47				
NOV.	·97				
DEC.	4.58				
TOTAL	32.52				

Signature

*See Instruction 2 *(f)* below.

C Particulars of Station,

TRAVELLING FORM
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer..................

Nearest Railway Station.................. Distance.............. Direction from gauge..............

Nearest Parish Church at.................. Distance.............. Direction from gauge..............

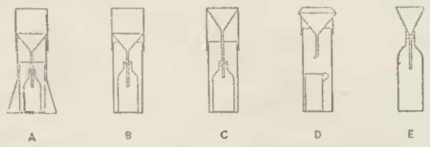
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.................. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

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(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

✓

3574

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Hallington, Fawcett, N.cas. W.W.

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 2 *in.*
Height of Ground above Sea Level 534 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	ʃ 2·15				
FEB.	ʃ ·96				
MAR.	ʃ ·92 ✓				
APRIL	·22 ✓				
MAY	2·53 ✓				
JUNE	3·42 ✓				
JULY	2·43 ʃ				
AUG.	2·72 ʃ				
SEPT.	1·59 ʃ				
OCT.	4·94 ʃ				
NOV.	2·60 ʃ				
DEC.	3·89 ʃ				
TOTAL	28·40 ʃ ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.......................in Summer.....................

Nearest Railway Station.................................. Distance................ Direction from gauge............

Nearest Parish Church at.................................. Distance................ Direction from gauge............

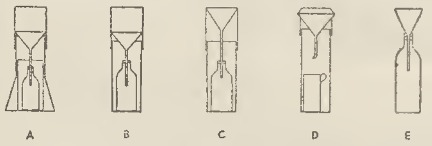
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3574

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Hallington, Fawcett, Newc. W.W.

In the County of Northumberland

Rain Gauge { Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 2 *in.*
Height of Ground above Sea Level 537 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5.69				
FEB.	1.53				
MAR.	3.72				
APRIL	1.32				
MAY	·89				
JUNE	2.13				
JULY	2.86				
AUG.	2.61				
SEPT.	1.70				
OCT.	5.86				
NOV.	3.63				
DEC.	1.46				
TOTAL	33.40				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................... Distance.............. Direction from gauge..............

Nearest Parish Church at.................... Distance.............. Direction from gauge..............

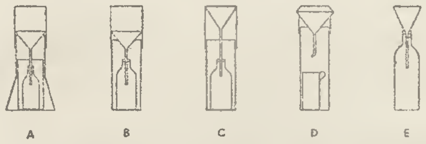
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

T'c 3574

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Hallington, Fawcett, N'cas. W.W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 537 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·54				
FEB.	1·49				
MAR.	3·49				
APRIL	1·00				
MAY	·91				
JUNE	·74				
JULY	5·85				
AUG.	1·21				
SEPT.	1·93				
OCT.	2·84				
NOV.	3·33				
DEC.	2·60				
TOTAL	26·99				

Signature Arthur H. [illegible]

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

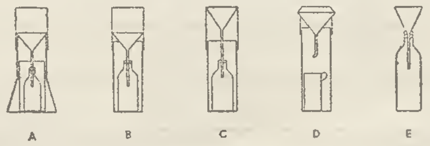
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

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(h) The heaviest daily fall for each month should be underlined.

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S.O. Code No. 40-9999

3575

3575

HALLINGTON, CHEVIOTT
1931 — 40

780702

FORM 1090. **B** Mo
Su

*** The following register of month ... and also the space for
&c., is NOT required if daily ...
values are given on the other s...

...gister should be sent:—

...in Summer...

Direction from gauge ...

Direction from gauge ...

RAINFALL IN 193

At Cheviott

In the County of Northum...

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level 5

Month.	Total Depth.	Greatest Fall in 24 hours.		Nu D ·01 or m	
	Inches.	Inches.	Date.		
JAN.	1·65				
FEB.	1·55				
MAR.	1·57				
APRIL	3·23				
MAY	3·01				
JUNE	4·48				
JULY	4·22				
AUG.	3·98				
SEPT.	1·10				
OCT.	1·20				
NOV.	3·12				
DEC.	1·22				
Total	30·33				

Signature Arthur [illegible]

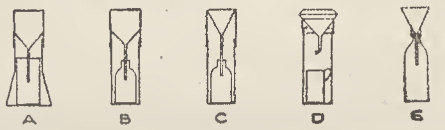
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

B

Mo
Su

3575

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Cheviot

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 576 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·65				
FEB.	1·55				
MAR.	1·57				
APRIL	3·23				
MAY	3·01				
JUNE	4·48				
JULY	4·22				
AUG.	3·98				
SEPT.	1·10				
OCT.	1·20				
NOV.	3·12				
DEC.	1·22				
Total	30·33				
	Inches.				

Signature Arthur J. [illegible]

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

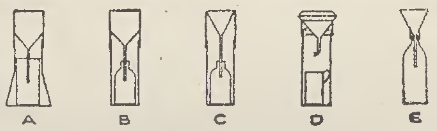
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\Big|\Big\}\cdot14\Big|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

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3575

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Cheviott

In the County of Northumba

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 546 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·44				
FEB.	·47				
MAR.	2·35				
APRIL	2·08				
MAY	3·59				
JUNE	1·35				
JULY	2·88				
AUG.	1·95				
SEPT.	3·83				
OCT.	4·45				
NOV.	1·12				
DEC.	1·34				
Total	25·85				

Signature Arthur Hardcastle

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

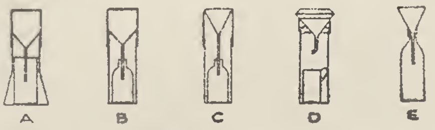
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
5 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3575

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At Chericott

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 576 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·28				
FEB.	4·04				
MAR.	·88				
APRIL	1·42				
MAY	1·52				
JUNE	2·29				
JULY	2·63				
AUG.	1·71				
SEPT.	1·64				
OCT.	3·42				
NOV.	3·46				
DEC.	·99				
Total	25·28				

Signature Arthur J Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

A

B

C

D

E

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | } ·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110

3575

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Cheviott

In the County of Northumbd

Rain Gauge:
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 2 *in.*
Height of Ground above Sea Level 546 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·83				
FEB.	·26				
MAR.	4·03				
APRIL	3·66				
MAY	1·20				
JUNE	2·35				
JULY	3·30				
AUG.	3·50				
SEPT.	1·92				
OCT.	4·04				
NOV.	3·40				
DEC.	4·20				
Total	33·69				

Signature Arthur Hardcastle.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

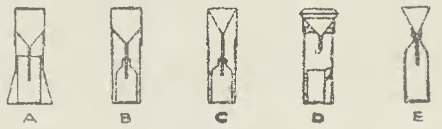
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3575

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Cheviott

In the County of Northumba

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 2 *in.*
- *Height of Ground above Sea Level* 546 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2·14				
FEB.	2·96				
MAR.	·98				
APRIL	2·70				
MAY	·63				
JUNE	2·47				
JULY	·66				
AUG.	2·56				
SEPT.	3·23				
OCT.	4·74				
NOV.	3·79				
DEC.	1·88				
Total	28.74				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O.
6 JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3575

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals &c., is required if daily or weekly values are not given on the other side.

RAINFALL IN 1936

At Hallington (Cheviot)

In the County of Northumbd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 2 *in.*
Height of Ground above Sea Level 546 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches.	Inches.	Date.		
JAN.	4.24 ✓				
FEB.	2.64 ✓				
MAR.	2.81 ✓				
APRIL	1.30 ✓				
MAY	1.66 ✓				
JUNE	2.10 ✓				
JULY	3.20 ✓				
AUG.	2.01 ✓				
SEPT.	4.40 ✓				
OCT.	2.43 ✓				
NOV.	3.37 ✓				
DEC.	2.19 ✓				
Total	31.55	✓			

Signature Arthur [illegible]

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD WATER WORKS. ARTHUR [illegible] ENGINEER

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

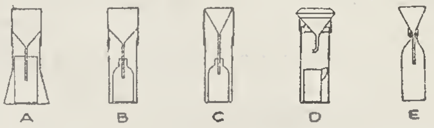
Nature of objects nearest to gauge				
Heights of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The raingauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(164) Wt.2398/185/162 14,000 5/29. Gp. 119/110.

40-9999

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Hallington (Cheviott)

In the County of Northumb'd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 576 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·00				
FEB.	3·39				
MAR.	3·74				
APRIL	2·17				
MAY	2·48				
JUNE	1·71				
JULY	2·67				
AUG.	2·30				
SEPT.	3·14				
OCT.	2·58				
NOV.	1·13				
DEC.	4·61				
TOTAL	32·92				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

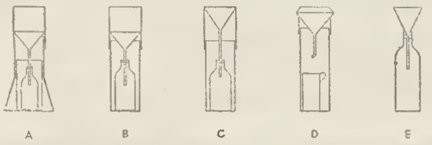
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

✓

3575

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Hallington Cheviott, N.cas. W.W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel......5......in.
- *Height of Top above Ground*....1....*ft*....2....*in.*
- *Height of Ground above Sea Level*.....546.....*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·90				
FEB.	·84				
MAR.	·75				
APRIL	·10				
MAY	2·38				
JUNE	3·19				
JULY	2·61				
AUG.	2·31				
SEPT.	1·58				
OCT.	4·80				
NOV.	2·52				
DEC.	3·60				
TOTAL	26·58				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter........................in Summer....................

Nearest Railway Station................................ Distance................ Direction from gauge............

Nearest Parish Church at................................ Distance................ Direction from gauge............

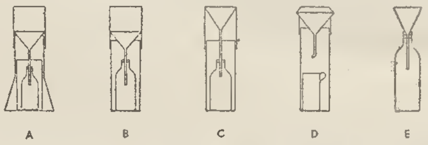
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3575

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Hallington, Cheviott, Newc. W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 576 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5.66				
FEB.	1.45				
MAR.	3.73				
APRIL	1.22				
MAY	·92				
JUNE	2.25				
JULY	2.88				
AUG.	2.14				
SEPT.	1.31				
OCT.	6.24				
NOV.	3.40				
DEC.	1.36				
TOTAL	32.59				

Signature Arthur Hardcastle.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

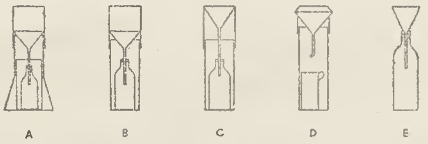
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this* ·005 *mark or between this* ·005 *and the* ·01 *mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 658/91
S.O. Code No. 40-9999

3575 J

FORM 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40.

At Hallington, Cheviott, N'cas. W.W.

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 2 *in.*
Height of Ground above Sea Level 576 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·64	✓			
FEB.	1·84	✓			
MAR.	3·39	✓			
APRIL	·94	✓			
MAY	·84	✓			
JUNE	·43	✓			
JULY	5·82	✓			
AUG.	1·16	✓			
SEPT.	1·92	✓			
OCT.	2·91	✓			
NOV.	3·31	✓			
DEC.	2·52	✓			
TOTAL	24·08	✓			

Signature Arthur J. Hardcastle

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

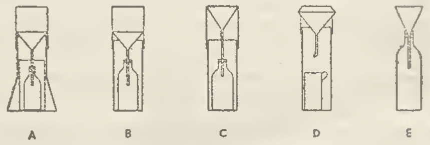
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

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CAMPHILL

1931 — 40

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FORM 1090. **B** Mon
Sum

*** The following register of monthl
&c., is NOT required if daily or
values are given on the other sid

d also the space for

ter should be sent :—

RAINFALL IN 1931

At Camphill

In the County of Northum

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level 6

n Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		Num Da ·01 i or mo	
	Inches.	Inches.	Date.	*	
JAN.	1.62				
FEB.	2.30				
MAR.	1.43				
APRIL	3.19				
MAY	2.77				
JUNE	4.46				
JULY	4.32				
AUG.	4.23				
SEPT.	1.17				
OCT.	1.65				
NOV.	3.51				
DEC.	1.63				
Total	32.28				

Signature

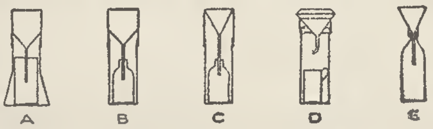
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090. **B** Mon
Summary.

3576

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Camphill

In the County of Northumba

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft.* – *in.*

Height of Ground above Sea Level 650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1.62				
FEB.	2.30				
MAR.	1.43				
APRIL	3.19				
MAY	2.77				
JUNE	4.46				
JULY	4.32				
AUG.	4.23				
SEPT.	1.17				
OCT.	1.65				
NOV.	3.51				
DEC.	1.63				
Total	32.28				

Signature

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

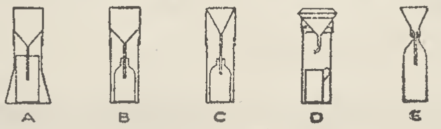
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January* 1*st is the rainfall for the* 24 *hours following* 9 *a.m. on January* 1*st; it is therefore the amount measured on January* 2*nd.*
9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3576

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Camphill

In the County of Northumba

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* – *in.*
Height of Ground above Sea Level 650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·28				
FEB.	·66				
MAR.	2·57				
APRIL	3·25				
MAY	2·73				
JUNE	1·19				
JULY	3·44				
AUG.	2·01				
SEPT.	4·20				
OCT.	4·66				
NOV.	1·47				
DEC.	2·16				
Total	30·62				

Signature Arthur Hardcastle

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

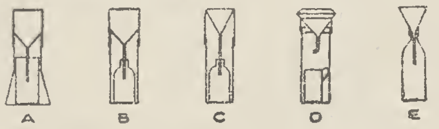
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
5 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3576

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

At Camphill

In the County of Northumbd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* – *in.*
Height of Ground above Sea Level 650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·69				
FEB.	3·63				
MAR.	·87				
APRIL	1·73				
MAY	1·76				
JUNE	2·44				
JULY	2·94				
AUG.	1·67				
SEPT.	1·76				
OCT.	3·71				
NOV.	3·12				
DEC.	·97				
Total	26·29				

Signature Arthur

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

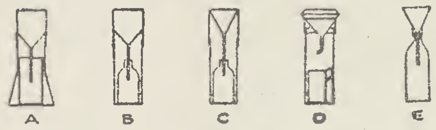
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3576

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Camphill

In the County of Northumbd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* – *in.*
Height of Ground above Sea Level 650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2·15				
FEB.	·35				
MAR.	3·69				
APRIL	3·20				
MAY	1·45				
JUNE	2·60				
JULY	3·13				
AUG.	3·23				
SEPT.	2·17				
OCT.	4·06				
NOV.	2·86				
DEC.	4·45				
Total	33·34 ✓				

Signature Arthur Holdsworth

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

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If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TL

D INSTRUCTIONS.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3576

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Camphill

In the County of Northumba

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* – *in.*
- *Height of Ground above Sea Level* 650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2.06				
FEB.	3.60				
MAR.	1.08				
APRIL	2.81				
MAY	·74				
JUNE	2.13				
JULY	1.10				
AUG.	2.62				
SEPT.	3.93				
OCT.	5.02				
NOV.	3.43				
DEC.	1.99				
Total	30.51				

Signature Arthur Hardcastle.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge

Height of objects

Distances

Directions from gauge

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TL.

M.O.
6 JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}$ ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3576

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Camphill

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 650 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	3.95 ✓				
FEB.	2.55 ✓				
MAR.	2.25 ✓				
APRIL	1.48 ✓				
MAY	1.68 ✓				
JUNE	2.41 ✓				
JULY	4.13 ✓				
AUG.	1.91 ✓				
SEPT.	4.99 ✓				
OCT.	2.77				
NOV.	3.21 ✓				
DEC.	2.40				
Total	33.73 ✓				

Signature Arthur Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS.

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

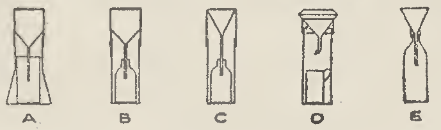
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3576

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1937.

At Camphill

In the County of Northum'd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 650 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.11				
FEB.	3.42				
MAR.	2.40				
APRIL	2.16				
MAY	3.09				
JUNE	1.13				
JULY	2.63				
AUG.	2.85				
SEPT.	4.03				
OCT.	2.26				
NOV.	1.13				
DEC.	4.24				
TOTAL	33.08				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating ~~to this~~ register should be sent :—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

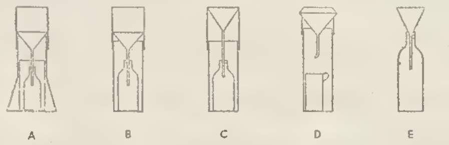
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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✓

3576

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Camphill, Newcastle W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 ft. 0 in.
- *Height of Ground above Sea Level* 650 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	✓2.51				
FEB.	✓1.16				
MAR.	✓1.17				
APRIL	·19 ✓				
MAY	2.78 ✓				
JUNE	3.55 ✓				
JULY	2.65 ✓				
AUG.	2.61 ✓				
SEPT.	1.65 ✓				
OCT.	5.64 ✓				
NOV.	2.97 ✓				
DEC.	3.89 ✓				
TOTAL	30.78 ✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.................. in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

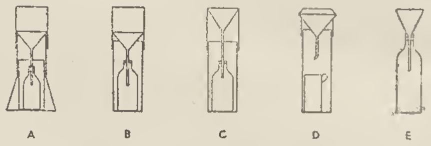
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

T. L.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91.
S.O. Code No. 40-9999

3576

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Camphill, Newc. W.W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 650 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5.48 ✓				
FEB.	1.84 ✓				
MAR.	3.59 ✓				
APRIL	1.46 ✓				
MAY	·94 ✓				
JUNE	2.27 ✓				
JULY	3.49 ✓				
AUG.	3.69 ✓				
SEPT.	1.61 ✓				
OCT.	5.30 ✓				
NOV.	3.88				
DEC.	1.02 ✓				
TOTAL	34.57 ✓✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

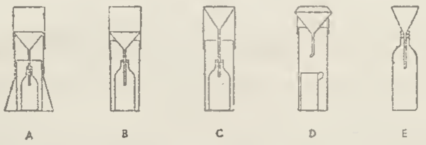
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

T

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Price 1d. net
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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

3576

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40.

At Camphill, [illegible]

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 650 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·51				
FEB.	1·69				
MAR.	3·44				
APRIL	1·14				
MAY	·94				
JUNE	·83				
JULY	6·60				
AUG.	1·26				
SEPT.	2·10				
OCT.	2·89				
NOV.	3·36				
DEC.	2·44				
TOTAL	28·89				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................Distance.................Direction from gauge.................

Nearest Parish Church at.................Distance.................Direction from gauge.................

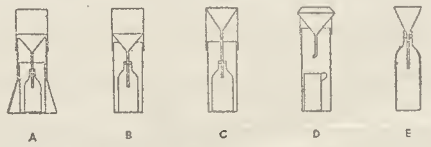
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................Distance.................Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3577

Section **A** for the entry of Daily O

AIR MINISTRY.—METI

FOR OFFICIAL USE.

AINFALL ORGANIZATION.

3577 -

COLT CRAG RES

1931 - 1940

78 07 02

days

FORM 1090.

REGISTER 1931.

Kept at Colt Crag

in the County of Northumbe

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft in.

,, Ground ,, Sea Level 654 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·02	-	× ·10	-	·02	·02	-	-	·49	·05	-	-	1
2	-	·10	-	·50	-	·59	·02	-	-	·14	·	-	2
3	-	-	× ·02	·05	-	·10	·19	-	·06	-	·43	·18	3
4	-	× ·08	-	·06	-	·06	-	-	·12	-	·08	·16	4
5	-	-	× ·03	-	·12	·19	·17	-	·05	·06	·04	·52	5
6	-	× ·20	× ·15	-	-	·75	·94	·66	-	·10	·04	-	6
7	-	-	× ·20	-	·09	·04	·07	·17	-	·02	·09	·06	7
8	-	·08	× ·24	-	·15	·33	1·15	·06	·12	·13	·19	-	8
9	·04	·15	× ·12	·02	·09	·25	-	·20	-	·22	·17	-	9
10	·03	·03	× ·04	-	·14	·24	·02	·08	-	-	·10	-	10
11	·04	·18	-	·13	-	·02	·20	-	·03	·05	·06	-	11
12	× ·09	-	-	·06	-	·05	·12	·29	-	-	-	-	12
13	× ·03	-	× ·65	-	·02	·15	·15	·02	-	-	-	-	13
14	·07	× ·09	-	·04	·14	·84	·02	·15	-	-	·13	·12	14
15	-	× ·26	·04	·36	·02	·02	-	·20	-	-	·04	-	15
16	·14	× ·15	-	·06	-	-	·04	·52	·17	-	-	-	16
17	-	× ·30	-	·40	-	·23	·31	1·58	-	·06	·12	-	17
18	× ·29	-	-	·15	-	·12	·12	-	-	·02	·73	-	18
19	·05	·02	-	-	-	·02	·06	·54	·06	·04	-	-	19
20	·03	× ·15	-	-	-	-	-	·16	-	-	·02	·03	20
21	·07	× ·04	·04	·10	-	·05	-	·06	-	-	·03	-	21
22	·01	·03	-	·15	·11	·02	·05	-	-	-	-	-	22
23	·17	-	-	·12	·30	·46	-	-	·04	·20	·27	·15	23
24	·06	·03	-	·12	·44	-	-	-	·03	·07	·06	·02	24
25	-	·05	-	·60	·02	-	·09	-	-	-	·02	-	25
26	-	-	-	·07	-	-	-	-	-	-	·60	-	26
27	·06	-	-	·32	-	·04	·16	-	-	·10	-	·02	27
28	·20	× ·05	·03	·15	·50	-	-	-	-	-	-	-	28
29	× ·28	×	× ·05	-	·18	-	·08	-	-	·35	·02	× ·35	29
30	× ·06	×	·02	·02	·40	-	·03	-	·04	-	-	-	30
31	× ·09	×	-	×	·05	×	·12	-	×	·04	×	-	31
TOTAL	1·83	1·99	1·73	3·48	2·79	4·59	4·11	4·69	1·21	1·65	3·24	1·61	YEAR'S TOTAL 32·92
*Days with ·01 in. or more.	20	18	14	20	17	22	21	14	11	16	20	10	203
*Days with ·04 in. or more.	15	14	10	18	13	14	14	13	9	14	16		163

40-9999

× melted snow.

*See Instruction 2 (*f*) on other side.

(*Signed*) Arthur J. Hardcastle. [P.T.O.

3577

Section A for the entry of Daily C[redacted] FOR OFFICIAL USE.

AIR MINISTRY.—MET[redacted]AINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Colt Crag

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft - in.

" Ground " Sea Level 654 ft.

2940

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·02	-	×·10	-	·02	·02	-	-	·49	·05	-	-	1
2	-	·10	-	·50	-	·59	·02	-	-	·14	-	-	2
3	-	-	×·02	·05	-	·10	·19	-	·06	-	·43	·18	3
4	-	×·08	-	·06	-	·06	-	-	·12	-	·08	·16	4
5	-	-	×·03	-	·12	·19	·17	-	·05	·06	·04	·52	5
6	-	×·20	×·15	-	-	·75	·94	·66	-	·10	·04	-	6
7	-	-	×·20	-	·09	·04	·07	·17	-	·02	·09	·06	7
8	-	·08	×·24	-	·15	·33	1·15	·06	·12	·13	·19	-	8
9	·04	·15	×·12	·02	·09	·25	-	·20	-	·22	·17	-	9
10	·03	·03	×·04	-	·14	·24	·02	·08	-	-	·10	-	10
11	·04	·18	-	·13	-	·02	·20	-	·03	·05	·06	-	11
12	×·09	-	-	·06	-	·05	·12	·29	-	-	-	-	12
13	×·03	-	×·65	-	·02	·15	·15	·02	-	-	-	-	13
14	·07	×·09	-	·04	·14	·84	·02	·15	-	-	·13	·12	14
15	-	×·26	·04	·36	·02	·02	-	·20	-	-	·04	-	15
16	·14	×·15	-	·06	-	-	·04	·52	·17	-	-	-	16
17	-	×·30	-	·40	-	·23	·31	1·58	-	·06	·12	-	17
18	×·29	-	-	·15	-	·12	·12	-	-	·02	·73	-	18
19	·05	·02	-	-	-	·02	·06	·54	·06	·04	-	-	19
20	·03	×·15	-	-	-	-	-	·16	-	-	·02	·03	20
21	·07	×·04	·04	·10	-	·05	-	·06	-	-	·03	-	21
22	·01	·03	-	·15	·11	·02	·05	-	-	-	-	-	22
23	·17	-	-	·12	·30	·46	-	-	·04	·20	·27	·15	23
24	·06	·03	-	·12	·44	-	-	-	·03	·07	·06	·02	24
25	-	·05	-	·60	·02	-	·09	-	-	-	·02	-	25
26	-	-	-	·07	-	-	-	-	-	-	·60	-	26
27	·06	-	-	·32	-	·04	·16	-	-	·10	-	·02	27
28	·20	×·05	·03	·15	·50	-	-	-	-	-	-	-	28
29	×·28	X	×·05	-	·18	-	·08	-	-	·35	·02	×·35	29
30	×·06	X	·02	·02	·40	-	·03	-	·04	-	-	-	30
31	×·09	X	-	X	·05	X	·12	-	X	·04	X	-	31
TOTAL	1·83	1·99	1·73	3·48	2·79	4·59	4·11	4·69	1·21	1·65	3·24	1·61	YEAR'S TOTAL 32·92
*Days with ·01 in. or more.	20	18	14	20	17	22	21	14	11	16	20	10	203
*Days with ·04 in. or more.	15	14	10	18	13	14	14	13	9	14	16	[illegible]	163

40-9999

× melted snow

*See Instruction 2 (*f*) on other side.

(*Signed*) Arthur J Hardcastle

P.T.O.

3577

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Colt Crag

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 654 ft.

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·07	-	-	·09	-	-	-	-	·33	·12	·04	-	1
2	·19	-	-	·02	·22	-	·30	·02	·10	·07	·15	·27	2
3	·10	-	-	·09	-	-	-	-	·30	·03	-	·09	3
4	·02	-	-	-	·08	·02	·38	·03	·09	-	·04	·02	4
5	·17	-	·08	·05	·23	-	-	-	·10	-	-	-	5
6	·07	-	-	·10	-	-	-	-	·22	·15	-	·05	6
7	-	-	·23	·18	·03	·04	-	-	·27	·10	-	-	7
8	-	·07	-	·13	·12	-	-	-	·25	·47	·02	-	8
9	·36	×·16	-	·96	·32	-	-	-	·07	·15	-	·08	9
10	·02	·10	×·04	·27	·03	-	-	-	·41	·47	-	·20	10
11	-	×·11	×·03	·07	·35	·08	·30	-	-	·26	-	-	11
12	·02	·02	·02	·02	·26	-	·09	·02	-	·10	·07	-	12
13	·18	·06	-	-	·16	-	·57	·04	·35	·09	-	·14	13
14	-	-	·03	·12	-	-	-	-	-	-	·05	-	14
15	·15	-	-	-	·13	-	-	-	-	·10	·24	·07	15
16	·50	-	-	-	-	-	-	-	-	·04	·04	·42	16
17	-	-	-	·02	-	-	·08	-	-	·36	-	·37	17
18	-	-	-	-	·05	-	-	-	-	-	-	-	18
19	-	·02	·06	·20	·02	-	-	-	-	·12	-	-	19
20	-	-	·11	·22	·12	-	-	·46	-	·09	-	·03	20
21	-	-	·40	-	·10	-	-	·63	-	·63	-	-	21
22	-	-	·71	·14	-	-	·10	-	-	·11	·30	-	22
23	-	·02	-	·12	-	-	·21	-	·10	·28	·01	·01	23
24	-	·04	·02	-	·02	-	·10	-	·15	-	-	-	24
25	-	·04	-	-	·10	-	·01	·04	·09	·18	·09	-	25
26	-	·04	-	-	·12	-	·26	-	·34	·05	·10	-	26
27	-	·03	·17	·06	·05	·32	·27	-	-	·12	·03	·01	27
28	-	-	·04	·27	·50	·53	-	-	-	·40	-	-	28
29	-	-	·70	·02	·07	-	·32	·43	·02	·10	·09	·10	29
30	-	×	·08	·02	-	·20	·10	·16	·88	·22	·06	-	30
31	-	×	·02	×	-	×	-	-	×	-	×	·04	31
TOTAL	1·85	·71	2·74	3·17	3·08	1·19	3·09	1·83	4·07	4·81	1·33	1·90	YEAR'S TOTAL 29·77
*Days with ·01 in. or more.	12	12	16	21	21	6	14	9	19	25	15	15	183
*Days with ·04 in. or more.	9	8	11	16	14	5	13	6	16	24	12	11	148

40-9999

× Melted snow

*See Instruction 2 (*f*) on other side.

(*Signed*) Arthur Hardcastle

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3677

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Colt Crag

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 654 ft.

Days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	-	·13	-	-	·02	·05	-	-	-	-	·10	-	1
2	·14	·02	·15	-	-	·08	-	-	-	-	·41	·02	2
3	·04	·07	·19	-	·18	-	-	-	-	-	·57	-	3
4	·06	·18	·09	-	·08	-	-	-	-	-	-	-	4
5	·09	·05	·02	-	·19	-	-	-	-	-	·03	-	5
6	-	·15	·04	-	·18	-	-	-	-	-	·05	·09	6
7	·10	·21	-	-	·03	-	-	-	-	·72	-	-	7
8	·02	·04	-	·08	·12	·04	·02	·08	-	-	-	·02	8
9	-	·25	-	-	-	·04	·56	-	-	·21	·05	·05	9
10	·09	*·02	-	-	-	·12	·02	-	-	·03	·02	·03	10
11	-	-	-	-	·02	-	·02	-	-	·02	-	·02	11
12	-	-	-	-	·06	·14	·06	-	-	-	-	·10	12
13	-	-	·06	-	·09	-	·65	·09	·01	·17	·07	·01	13
14	·08	-	·02	-	·09	-	·32	·02	-	-	·10	·06	14
15	·04	-	·02	·10	-	·07	·04	·10	-	·10	·31	·02	15
16	·06	-	·14	·09	·26	·09	·08	·01	-	-	·27	·01	16
17	·14	-	-	·09	·01	1·17	-	·04	·04	-	·45	-	17
18	-	× ·30	·07	·02	-	·66	·01	·09	-	-	·49	·01	18
19	-	·03	·03	·03	·01	·07	·32	·25	·12	-	·07	-	19
20	-	·04	·03	-	·10	-	-	-	·22	·06	-	-	20
21	-	-	-	-	·01	·07	-	·02	·31	·19	·07	·01	21
22	-	-	-	-	-	-	-	·02	·01	·49	·01	-	22
23	-	× ·05	-	-	·06	·03	-	·12	·21	·07	·02	-	23
24	-	·67	-	·52	·12	·14	-	·02	·09	·06	·02	·14	24
25	-	·36	-	·28	-	·01	-	·01	·63	·29	-	·03	25
26	-	1·20	-	·25	·05	-	-	-	·13	·04	-	·03	26
27	-	·16	-	-	-	-	·32	-	-	·06	·08	·01	27
28	-	-	-	·04	·02	-	·04	·57	·02	·75	·02	·21	28
29	-	✕	-	·21	-	-	·23	·11	-	·25	-	-	29
30	·07	✕	·03	·08	-	-	·04	-	·03	·03	-	·04	30
31	·39	✕	-	✕	·02	✕	·02	·05	✕	-	✕	·02	31
TOTAL	1·32	3·93	·89	1·79	1·72	2·78	2·75	1·60	1·82	3·54	3·21	·93	YEAR'S TOTAL 26·28
*Days with ·01 in. or more.	13	18	13	12	21	15	16	16	12	17	20	20	193
*Days with .04 in. or more.	12	15	7	10	13	13	11	10	8	14	14	7	134

40-9999 × Melted snow

*See Instruction 2 (*f*) on other side.

(*Signed*)

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Colt Crag

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft - in.

,, Ground ,, Sea Level 654 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	-	-	·03	-	-	-	·04	·01	-	-	-		1
2	-	-	·06	·01	-	-	-	·43	·20	-	* ·06	·23		2
3	·01	·02	-	-	-	-	-	-	-	·08	·17	·26		3
4	·11	-	·03	·06	-	-	-	-	-	·17	·08	·73		4
5	·01	-	·15	* ·04	·08	-	-	-	-	·10	·16	·03		5
6	·09	-	·06	·14	·29	·04	-	·61	·01	·12	·10	·19		6
7	·07	·05	-	·07	·02	·38	-	-	-	·14	-	·10		7
8	-	-	·17	-	·10	·06	-	·02	·02	·11	-	·09		8
9	-	-	-	·34	-	-	-	·09	·06	·04	·61	-		9
10	·01	-	·57	·37	-	-	-	·61	-	·03	1·16	-		10
11	·04	-	·77	·78	-	-	-	·03	-	-	·01	·13		11
12	-	-	1·03	·31	·04	-	·55	·25	-	-	·16	·11		12
13	·21	-	·16	·01	·02	-	1·09	·02	·02	·07	-	-		13
14	·18	-	·11	-	·03	-	·30	-	·02	·08	·02	·11		14
15	-	-	·07	·14	·19	·01	·01	·03	-	·33	·05	·24		15
16	·12	-	·04	-	·01	-	-	-	-	-	·15	-		16
17	·26	-	·06	-	·07	-	·40	-	·21	·05	·04	·09		17
18	·58	-	·03	-	·27	·01	·21	·06	-	·01	-	·05		18
19	-	-	·17	·31	·10	·07	·05	-	·03	·08	-	·08		19
20	·02	-	·02	·02	·04	·09	·02	·25	·01	·04	-	-		20
21	·01	-	-	-	-	·88	-	·05	·04	-	-	-		21
22	-	-	-	·02	-	·69	-	·05	·45	·03	·01	·08		22
23	-	-	·04	·08	·02	-	·15	·03	-	·06	·18	·14		23
24	-	·03	·02	·02	·04	·04	·01	·02	·01	·65	-	·02		24
25	-	·01	-	·03	-	-	-	-	·07	·05	-	·31		25
26	·03	-	·01	·04	-	·12	-	-	·17	·16	-	·02		26
27	-	·14	-	·18	-	·06	·04	-	-	·30	-	·06		27
28	-	·02	-	·21	-	·05	·07	·29	-	·01	-	·29		28
29	-	X	·07	·01	-	-	·20	·28	·41	·71	-	·33		29
30	·14	X	·02	-	-	-	-	-	·24	·93	-	·15		30
31	·03	X	-	X	-	X	-	·01	X	-	X	-		31
TOTAL	1·95	·27	3·66	3·22	1·32	2·50	3·10	3·17	1·98	4·35	2·96	3·84	Year's Total 32·32	
*Days with ·01 in. or more.	18	6	21	22	15	13	13	19	17	24	15	23	206	
*Days with ·04 in. or more.	10	2	15	14	10	11	10	12	9	20	12	20	145	

40-9999

× Melted snow.

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Arthur [illegible]

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER OF RAINFALL IN 1935.

days

Kept at Colt Crag
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft – in.
,, Ground ,, Sea Level 654 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·55	·07	·18	–	–	–	·17	–	·18	·12	–	·31		1
2	–	·03	·17	·01	–	·10	·02	–	·05	·50	–	–		2
3	–	·09	·09	·11	–	·24	·02	–	–	–	·12	–		3
4	–	–	·04	–	–	·21	–	–	–	·30	·09	–		4
5	·16	·23	·03	–	–	·02	·05	–	·14	·13	·07	–		5
6	·03	·03	–	–	–	·11	–	–	–	·09	·04	–		6
7	*·29	–	–	·17	–	·11	–	–	–	·04	·11	·03		7
8	–	–	–	·11	–	·05	–	–	–	·12	·01	·06		8
9	*·02	–	·01	·23	–	·03	–	–	–	·31	·15	·07		9
10	–	·08	–	·16	–	·11	–	–	–	·10	·13	–		10
11	·24	·02	–	·06	–	–	–	·18	–	·01	·02	·05		11
12	–	·09	–	–	–	–	–	–	–	–	–	·02		12
13	*·15	·04	–	·03	·26	·03	·09	–	·02	·02	–	–		13
14	–	–	·06	·01	·03	·04	–	–	·03	–	·13	·17		14
15	·01	·25	–	·23	·10	·10	–	·02	·25	·35	·06	·10		15
16	–	·48	·08	·54	*·32	–	·15	·42	·87	–	·29	·02		16
17	–	–	–	·25	·02	·12	·01	·35	·07	·05	1·07	·01		17
18	·03	·15	–	·05	–	·29	·03	·21	·16	·42	·05	–		18
19	·02	·05	–	·07	–	·17	·40	–	·04	·11	·04	–		19
20	–	·13	–	·22	–	·08	–	–	·02	–	·05	–		20
21	–	–	·01	·10	–	–	–	–	·76	·38	·16	–		21
22	–	*·27	·09	·27	–	–	–	–	·03	–	·07	–		22
23	·06	–	–	·05	–	–	–	·12	–	·19	–	–		23
24	·14	1·01	·10	·03	–	–	–	–	·34	·03	–	·11		24
25	*·25	*·07	·01	–	–	·02	–	–	–	–	·19	·18		25
26	·03	·01	–	·03	–	·08	·02	1·09	·17	·06	·03	·20		26
27	·05	·06	–	–	–	·01	·03	–	·03	·16	·02	·04		27
28	·05	·06	–	–	–	–	–	·01	·19	·35	·11	–		28
29	–	X	·16	–	–	·07	–	·02	·15	·19	·16	·06		29
30	–	X	·02	–	–	·09	–	·17	·11	·59	·22	–		30
31	–	X	–	X	–	X	–	–	X	·10	X	·15		31
Total	2·08	3·22	1·05	2·73	·73	2·08	·99	2·59	3·61	4·72	3·39	1·58	Year's Total 28·77	
* Days with .01 in. or more.	16	20	14	20	5	21	11	10	19	24	24	16	200	
* Days with .04 in. or more.	10	16	9	13	3	16	5	7	14	21	20	12	148	

40-9999

* Melted snow

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) Arthur Hardcastle.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Totals

Kept at Colt Crag

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 654 ft.

NEWCASTLE & GATESHEAD WATER WORKS.
ARTHUR HARDCASTLE
ENGINEER

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·26	·09	·39	-	-	·07	1·54	·52	·26	-	-	-		1
2	·03	-	·06	-	-	·04	·21	·07	·15	-	·02	·04		2
3	·01	-	-	-	-	·63	-	·02	·37	-	-	·02		3
4	·32	-	·02	-	·02	·09	·01	·14	·18	·01	·13	·20		4
5	·15	-	·01	-	·03	-	-	-	·02	-	·05	·02		5
6	·13	-	-	·01	·04	-	·05	·48	·51	-	·10	-		6
7	·04	-	·06	-	·01	-	·30	-	·09	-	·08	·02		7
8	·15	-	·01	-	-	-	-	-	-	·03	·03	-		8
9	·50	·02	·53	-	-	·04	·01	·02	·26	·07	·28	-		9
10	·19	-	-	·04	-	-	-	-	-	·01	·04	-		10
11	-	-	-	·17	-	·04	·19	·14	·01	·01	·80	·15		11
12	-	-	-	·20	·02	·06	·03	·05	·64	-	·36	·07		12
13	-	-	-	·31	-	-	·14	-	·01	·10	·05	·39		13
14	-	-	-	·11	-	·22	·03	·10	·13	-	-	·45		14
15	-	-	-	·18	·18	·04	·23	·11	·05	·03	·13	·02		15
16	·03	-	·02	·03	-	-	-	-	-	·03	·43	·02		16
17	·17	·14	-	·01	·12	-	·11	-	-	·22	·60	·18		17
18	-	·15	-	·12	-	-	·05	·04	-	·32	-	·20		18
19	·51	·08	-	-	-	-	·08	·04	-	·01	-	·07		19
20	·69	·07	·03	·01	-	-	·14	·03	-	·02	-	·02		20
21	×·02	·09	·08	·02	-	-	·06	-	-	-	-	·04		21
22	×·08	·20	-	-	·03	·37	·08	-	-	-	-	-		22
23	·03	-	·04	·17	·10	-	·46	-	-	·06	-	-		23
24	·04	·30	·02	·03	·72	-	·02	-	1·55	·81	-	-		24
25	·23	·01	·07	·02	·02	-	·05	-	·55	·05	-	·01		25
26	-	·10	·25	-	-	-	·01	-	·13	·29	-	-		26
27	·07	-	·11	-	-	-	-	-	·14	·09	-	-		27
28	·10	·64	·02	·02	-	-	·19	-	-	-	-	-		28
29	·54	·65	·13	-	·37	·72	·12	-	-	·18	-	·01		29
30	-	✕	·02	-	-	·03	·16	-	-	·17	·01	-		30
31	·02	✕	·20	✕	·03	✕	-	-	✕	-	✕	·10		31
TOTAL	4·31 ✓	2·57 ✓	2·07 ✓	1·45 ✓	1·69	2·35 ✓	4·27 ✓	1·76 ✓	5·05 ✓	2·51 ✓	3·11 ✓	2·03 ✓	Year's Total 33·17 ✓	
*Days with ·01 in. or more.	23	13	19	16	13	12	24	13	17	19	15	19	203	
*Days with .04 in. or more.	17	11	11	8	6	11	18	10	14	11	12	11	140	

40-9999 × Melted snow

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Colt Cragg

in the County of Northumbd

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 654 ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	·05	·19	·01	-	·12	·03	-	·06	·14	·02	·01		1
2	·08	·31	·02	·10	-	·04	-	-	·15	·02	-	·15		2
3	-	·13	·01	·15	·27	·22	·24	-	·04	-	-	·13		3
4	·15	·01	·10	·09	·03	·05	·05	·34	·04	-	-	·17		4
5	·13	-	·14	·02	·21	·03	·23	-	·92	-	-	·50		5
6	·04	·02	·09	·16	·09	·02	·04	-	·08	·01	·05	-		6
7	·01	·25	·20	·32	·05	·02	·09	-	·06	·05	·06	·40		7
8	-	·30	·01	·20	-	-	·20	·01	-	·03	·03	·38		8
9	-	·02	·03	·01	-	-	·18	·07	-	-	-	·13		9
10	-	-	·01	-	·16	·01	·17	-	·02	-	·16	·05		10
11	-	-	·45	·05	-	-	-	-	-	-	-	·75		11
12	·16	×·30	·67	·06	·03	-	-	·20	·16	·01	-	·10		12
13	-	·12	·09	·11	·03	·01	-	·15	·07	-	-	·37		13
14	-	·02	-	-	-	·24	-	·43	·13	-	-	×·38		14
15	·01	·49	-	·20	-	·01	·56	·01	·13	-	-	·09		15
16	·11	·06	×·14	·26	-	·02	-	·18	-	-	-	·35	?	16
17	·02	·01	·28	-	·25	·03	-	·03	·96	-	-	·07		17
18	-	·22	·06	·12	-	·08	-	·08	·04	-	·08	-		18
19	-	·10	·01	·01	-	·08	-	·06	·35	-	·48	-		19
20	·07	-	·04	·10	·56	·06	-	-	·03	·02	-	-		20
21	·06	-	·01	·05	·83	·01	·43	-	-	·03	-	·73		21
22	·02	-	·21	·08	·04	-	·08	-	-	·11	·11	·03		22
23	·07	-	·04	-	·03	-	·10	-	-	·72	·04	-		23
24	·11	·03	·02	-	·07	-	·20	-	·08	·05	-	·01		24
25	·15	×·25	-	-	·06	-	·01	·08	-	·17	-	-		25
26	·05	·18	×·02	-	·44	-	-	-	-	-	·01	-		26
27	·02	×·56	-	·09	-	-	·03	-	·01	·44	-	·03		27
28	·17	-	×·02	-	-	·05	-	-	-	·42	-	·04		28
29	·52	×	-	-	-	-	-	·06	-	·16	·03	·05		29
30	·55		-	-	-	·12	-	·80	·07	-	·01	·07		30
31	·48		-		-		-	·22		·13		-		31
TOTAL	3·04	3·43	2·86	2·19	3·15	1·22	2·64	2·72	3·40	2·51	1·08	4·49	Year's Total 32·43	
* Days with .01 in. or more.	22	20	24	20	16	19	16	15	19	16	12	23	222	
* Days with .04 in. or more.	17	14	14	16	12	10	13	12	16	10	7	19	160	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) Arthur Hardcastle [P.T.O.

× Melted Snow

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Colt Crag Res. Newcastle W.W.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 654 ft.

TRAVELLING FORM:
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

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Jan. 1, following

Please read the Notes and Instructions Overleaf

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·03	·16	-	-	-	·97	·08	-	-	-	·16	·26		1
2	·01	-	-	·06	-	·27	-	-	·06	·41	·02	·08		2
3	·03	-	-	·01	-	-	·18	-	·21	·56	·10	-		3
4	·03	-	-	·03	-	·02	·15	-	-	·17	-	·35		4
5	-	·05	-	-	-	-	·20	·13	·08	·26	·02	·08		5
6	·13	-	·02	-	-	·01	·02	-	-	·22	·02	·02		6
7	·10	-	-	-	-	-	·30	·13	·05	·13	·13	-		7
8	·07	-	-	-	-	·01	·10	·03	-	·60	·57	·18		8
9	·08	·03	-	-	·16	·09	·06	-	-	·05	-	·23		9
10	-	-	-	-	-	·38	·05	-	-	·15	-	·06		10
11	·06	-	-	-	-	·09	·06	-	-	·13	·03	·05		11
12	·05	·03	-	-	·02	-	-	1·03	-	·30	·18	·01		12
13	·05	·05	-	-	·02	-	·01	-	·14	·08	·12	·21		13
14	·03	·06	-	-	·15	-	-	-	-	·01	-	·06		14
15	·29	·03	·03	-	·09	-	·03	·14	-	·05	-	·22		15
16	·24	·06	·02	-	·03	-	·02	·02	10	·03	-	·08		16
17	-	-	·03	-	·35	-	-	·02	·15	·62	-	-		17
18	·04	·03	-	-	·01	·02	-	·05	·16	·27	·10	·03		18
19	-	-	·30	-	·01	-	-	·27	·03	-	·01	·24		19
20	·06	-	·45	-	-	·24	-	·03	·10	-	-	·35		20
21	-	-	·03	·01	-	·01	-	-	-	-	·15	·41		21
22	-	·07	·02	·01	·03	-	-	-	-	-	·11	·43		22
23	·01	-	-	-	·07	·25	-	01	·02	-	·31	·12		23
24	·07	-	·04	·03	-	·04	·02	·33	·11	·27	-	·08		24
25	·03	-	-	-	·05	·01	1·08	·14	-	·39	·12	·09		25
26	·01	·28	·06	·02	·01	·03	-	-	-	·22	-	·01		26
27	·07	·07	—	·01	·24	·21	·18	·19	·01	·07	·02	—		27
28	·34	·05	-	-	·79	·48	·02	-	·16	·03	·04	·03		28
29	·02	X	-	·01	·21	·21	·03	·01	-	·03	-	·01		29
30	·07		-	-	·03	·01	·02	·18	29	-	·08	—		30
31	·21		·02		·39		-	·04		·15		·45		31
TOTAL	2·13	·97	1·02	·19	2·66	3·35	2·61	2·75	1·67	5·20	2·29	4·14	Year's Total 28·98	
* Days with .01 in. or more.	25	13	11	9	18	19	19	17	15	24	19	26	215	
* Days with .04 in. or more.	16	9	4	1	10	11	11	11	12	20	13	20	138	

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

* See Instruction 3 (f) on other side.

× Melted snow

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations
Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at Colt Crag Res., Newc. W.W.
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 654 ft.

To file

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·31	-	·04	-	-	-	·03	·01	·08	·41	·06	·10		1
2	·09	-	-	·09	-	-	·07	·19	1·20	·03	·16	-		2
3	-	-	·03	·02	-	-	·03	·38	·04	-	·01	·05		3
4	× ·07	-	·22	-	-	-	·11	-	·08	-	·17	-		4
5	-	-	·12	-	·02	-	·55	·18	-	·27	·36	·24		5
6	·02	·01	·01	-	-	-	·57	-	-	·02	·08	-		6
7	·25	·03	·09	-	·29	-	-	·06	-	·07	-	·05		7
8	·83	·12	·18	-	-	-	·13	-	·03	-	·05	·46		8
9	·12	·11	-	·02	-	-	·27	·25	-	·82	·05	·25		9
10	-	·03	·03	-	-	·15	-	·03	·11	·06	-	-		10
11	·30	·07	·33	-	·06	·13	-	·05	·08	·08	·09	·02		11
12	·01	·10	-	-	-	·01	·07	-	-	·75	·05	-		12
13	·02	-	·01	-	·22	·06	·01	-	·01	·63	·02	-		13
14	·36	-	·02	·06	·12	·33	·16	-	-	·24	·05	-		14
15	·24	·03	-	·03	·03	·43	·02	-	-	·02	·07	·03		15
16	·18	·05	·04	-	·11	-	-	-	-	-	·02	-		16
17	·69	·08	·05	·03	·03	·06	-	-	-	-	·05	-		17
18	·72	·05	·16	-	-	·03	·09	-	-	·03	·86	-		18
19	·15	-	-	-	·02	·19	-	-	-	-	-	·06		19
20	·01	-	-	-	·05	·03	·02	·04	-	-	-	-		20
21	·11	-	·04	·09	-	-	-	·31	-	·02	-	-		21
22	·17	·18	·03	·10	-	-	·08	-	-	-	·08	-		22
23	·01	·15	-	·24	-	·10	-	-	-	·01	-	·02		23
24	-	·02	·12	·65	-	·04	-	-	-	-	-	-		24
25	× ·21	·27	·10	·03	-	-	-	·06	-	× ·02	·46	·02		25
26	·09	·01	·05	·01	-	·01	-	1·29	·03	·60	·03	-		26
27	× ·03	·21	1·00	-	-	·23	·05	·11	-	·30	·05	-		27
28	·01	·07	·84	·09	-	·15	·16	-	-	·02	·25	× ·08		28
29	-	✕	·06	-	-	-	·37	-	-	·55	·12	× ·05		29
30	·03	✕	-	·02	-	·19	·02	-	-	·38	·57	-		30
31	-	✕	-	✕	-	✕	·22	·01	✕	·07	✕	-		31
TOTAL	5·03	1·59	3·57	1·48	·95	2·14	3·03	2·97	1·66	5·40	3·71	1·43	Year's Total 32·96	
* Days with .01 in. or more.	25	18	22	14	10	16	20	14	9	22	23	13	206	
* Days with .04 in. or more.	17	12	16	7	6	12	14	11	6	14	19	9	143	

× Melted snow

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) Arthur [illegible]

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3577

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193~~4~~0.

January corrected for snow.

Kept at Colt Crag Res., N'cas. W.W.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 654 ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	×.04	-	·02	·02	-	·02	-	-	-	·03	·04		1
2	-	-	-	·03	-	-	·03	-	-	-	·15	·15		2
3	·05	·04	-	·11	-	-	·14	-	-	·01	-	·04		3
4	-	×·38	-	·02	-	-	·01	-	-	·13	-	·14		4
5	-	-	-	·02	·15	-	·05	-	-	·04	·16	·21		5
6	·12	-	-	-	-	-	·10	-	-	·13	·13	·55		6
7	·15	·16	-	·06	·08	-	·04	·02	·09	·02	-	·02		7
8	-	·02	-	·02	-	-	-	·21	·06	·16	·09	·05		8
9	-	-	·20	-	-	-	·23	·03	·01	·23	·20	-		9
10	-	-	-	-	-	-	·33	·06	-	-	·15	-		10
11	-	×·03	·53	-	-	-	·41	-	·02	-	·30	-		11
12	-	×·03	·58	-	-	-	-	-	·02	-	·01	-		12
13	-	×·11	·08	-	-	-	·20	-	·02	-	·02	-		13
14	-	×·15	·14	·03	-	-	·41	-	·05	·01	-	·12		14
15	×·08	-	-	-	·04	-	·01	-	-	-	·06	·01		15
16	×·10	-	·05	-	-	-	·10	-	·85	·14	·06	·02		16
17	-	-	·14	-	-	-	·56	-	·08	·04	·61	-		17
18	-	×·03	·16	·02	-	-	·10	·11	·05	-	·09	·12		18
19	-	-	·05	·06	-	-	·06	-	·12	·02	·12	·02		19
20	-	·08	·08	·10	-	-	·06	·30	·03	·01	·04	-		20
21	×·28	-	·20	·05	-	·14	·10	·02	-	·18	-	-		21
22	-	·02	·09	·02	·14	·23	-	-	·24	·25	-	-		22
23	-	·04	·04	·26	·06	-	·22	·05	·04	·10	·09	·04		23
24	·13	·02	-	·10	·12	·02	·08	-	·02	·10	-	·04		24
25	-	-	-	-	·06	·02	·20	-	-	·04	-	-		25
26	×·15	·10	-	-	·12	·03	·21	·08	·02	-	-	-		26
27	·10	·14	-	·02	-	·02	·02	-	-	·05	·03	·02		27
28	×·07	·02	-	·01	-	-	-	04	-	-	-	·02		28
29	×·07	-	·30	·02	-	·02	·04	-	-	-	-	·14		29
30	×·15	✕	-	·02	·01	-	-	-	-	·11	·01	·58		30
31	×·19	✕	·26	✕	-	✕	-	-	✕	·09	✕	·10		31
TOTAL	1·64 ~~1·34~~	1·44	2·99	·99	·86	·51	4·06	·92	1·45	1·95	2·35	2·43	Year's total 8 21·59	
* Days with .01 in. or more.	12	14	15	19	10	4	25	10	16	20	19	20	190	
* Days with .04 in. or more.	10	10	15	4	8	2	21	4	9	14	14	14	131	

× Melted snow

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) Arthur Hardcastle

[P.T.O.

3578

3578

GREEN CRAG

1931 — 40

780702

FORM 1090. **B** M
Su

*** The following register of mont
&c., is NOT required if daily
values are given on the other s

and also the space for

gister should be sent:—

RAINFALL IN 193.

At Green Crag

In the County of Northu

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level 9

in Summer

Direction from gauge

Direction from gauge

Month.	Total Depth.	Greatest Fall in 24 hours.		N D ·o or	
	Inches.	Inches.	Date.		
JAN.	2·16				
FEB.	2·26				
MAR.	1·74				
APRIL	3·20				
MAY	2·56				
JUNE	4·61				
JULY	4·63				
AUG.	4·69				
SEPT.	1·27				
OCT.	1·61				
NOV.	3·99				
DEC.	1·61				
Total	34·33				

Signature Arthur J Hardcastle.

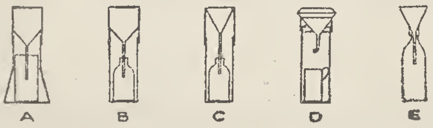
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move.................... Distance.................... Direction....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 9 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090. **B** M
S [redacted]

3578

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Green Crag

In the County of Northumb^d

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 ft – in.
Height of Ground above Sea Level 900 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·16				
FEB.	2·26				
MAR.	1·74				
APRIL	3·20				
MAY	2·56				
JUNE	4·61				
JULY	4·63				
AUG.	4·69				
SEPT.	1·27				
OCT.	1·61				
NOV.	3·99				
DEC.	1·61				
Total	34·33				

Signature..........

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge ....

Nearest Parish Church at.......... Distance.......... Direction from gauge ....

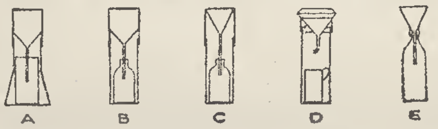
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3578

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Green Crag

In the County of Northumba

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·20				
FEB.	·70				
MAR.	2·49				
APRIL	3·20				
MAY	3·23				
JUNE	1·30				
JULY	3·50				
AUG.	1·89				
SEPT.	4·32				
OCT.	4·81				
NOV.	1·46				
DEC.	2·29				
Total	31·39				

Signature Arthur Hardcastle

NEWCASTLE & GATESHEAD WATER WORKS.
ARTHUR HARDCASTLE
ENGINEER

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

[illegible].O. 7
5 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3578

FORM 1090.

B Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

At Green Crag

In the County of Northumbd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* – *in.*
Height of Ground above Sea Level 900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·97				
FEB.	3·71				
MAR.	·82				
APRIL	1·81				
MAY	1·73				
JUNE	2·47				
JULY	3·19				
AUG.	1·97				
SEPT.	1·64				
OCT.	3·69				
NOV.	2·84				
DEC.	·78				
Total	26·68				

Signature Arthur J Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

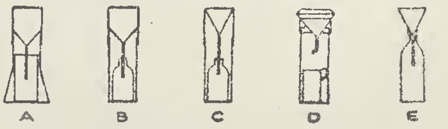
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



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NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3578

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Green Crag

In the County of Northumba

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* – *in.*
Height of Ground above Sea Level 900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	2.28				
FEB.	·30				
MAR.	4.17				
APRIL	3.46				
MAY	1.48				
JUNE	2.77				
JULY	3.66				
AUG.	3.63				
SEPT.	2.33				
OCT.	4.51				
NOV.	2.83				
DEC.	5.08				
Total	36.50				

Signature Arthur Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

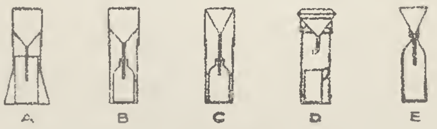
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3578

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Green Crag

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* – *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·99				
FEB.	3·45				
MAR.	1·19				
APRIL	2·89				
MAY	·63				
JUNE	2·55				
JULY	1·11				
AUG.	2·46				
SEPT.	4·11				
OCT.	5·06				
NOV.	3·52				
DEC.	2·00				
Total	30·96				

Signature Arthur Hardcastle.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

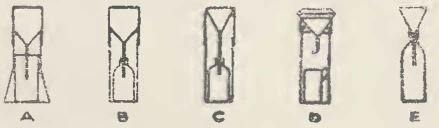
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

6 JAN 1936

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

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3. The columns are so spaced that the entries can be made by a typewriter.

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3578

FORM 1090. **B** Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1936

At Green Crag

In the County of Northumb^d

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* – *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	4.83				
FEB.	2.85				
MAR.	3.24				
APRIL	1.46				
MAY	2.04				
JUNE	2.33				
JULY	4.97				
AUG.	2.01				
SEPT.	5.31				
OCT.	2.59				
NOV.	3.47				
DEC.	2.32				
Total	37.41				

Signature Arthur [illegible]

H.A.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD WATER WORKS ENGINEER

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

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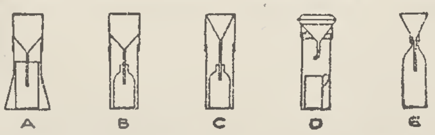

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In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

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3578

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Green Crag

In the County of Northumb'd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* - *in.*
Height of Ground above Sea Level 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·00				
FEB.	3·97				
MAR.	4·10				
APRIL	2·25				
MAY	2·89				
JUNE	1·15				
JULY	2·65				
AUG.	3·00				
SEPT.	3·46				
OCT.	2·48				
NOV.	1·19				
DEC.	4·20				
TOTAL	34·34				

Signature

*See Instruction 2 *(f)* below.

C Particulars of Station,

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

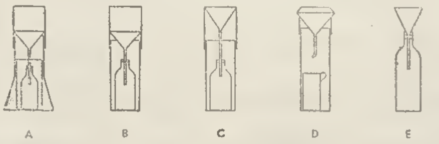
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Green Crag, Newcastle W.W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	✓2.74				
FEB.	1.15✓				
MAR.	✓1.36				
APRIL	·18✓				
MAY	3.10✓				
JUNE	3.08✓				
JULY	2.50✓				
AUG.	2.46✓				
SEPT.	2.00✓				
OCT.	5.91✓				
NOV.	3.22✓				
DEC.	3.26✓				
TOTAL	30.99✓				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.......................in Summer.......................

Nearest Railway Station....................................... Distance.................. Direction from gauge...............

Nearest Parish Church at....................................... Distance.................. Direction from gauge...............

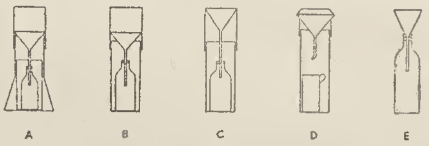
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3578

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Green Crag, Neave. W.H.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5·48	✓			
FEB.	1·76	✓			
MAR.	3·81	✓			
APRIL	1·65	✓			
MAY	·96	✓			
JUNE	2·31	✓			
JULY	3·66	✓			
AUG.	3·51				
SEPT.	1·75				
OCT.	5·69	✓			
NOV.	4·22				
DEC.	·93	✓			
TOTAL	35·73	✓			

Signature Arthur Hardcastle.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

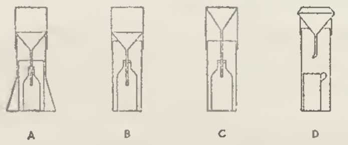
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3578

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Green Crag, N'cas. W.W.

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·40	✓			
FEB.	1·68	✓			
MAR.	3·75	✓			
APRIL	1·19	✓			
MAY	1·14	✓			
JUNE	·55	✓			
JULY	7·22	✓			
AUG.	1·27	✓			
SEPT.	2·52	✓			
OCT.	2·93				
NOV.	3·54	✓			
DEC.	2·78	✓			
TOTAL	29·97	✓			

Signature Arthur Hardcastle

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

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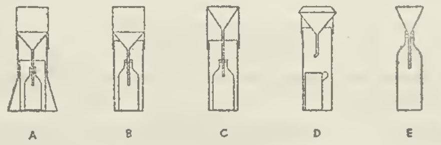

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

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In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

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TRAVELLING FORM
VALUES FORWARDED MONTHLY

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S.O. Code No. 46-9999

330

3579

Section **A** for the entry of

AIR MINISTRY

FOR OFFICIAL USE.

ORGANIZATION.

FORM 1090.

REGIST

3579

FALSTONE RECTORY

1931 —— 33

280702

Kept at Falstone Recto

in the County of Northum

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Le

THE MORNING MEASU

An observer who does not conform to t ... *owing*
year in the space on the right of this

Jan. 1, following

Date	Jan.	Feb.	March								Nov.	Dec.	*Date*
	in.	in.	in.								in.	in.	
1			.16	.15	.10		.02		.82	.39		.01	1
2		.12	01	46		.74	07			08	.15	.34	2
3			01			09	11		.07	07	2.00	51	3
4		07		07		01			.01	04	05	15	4
5					19	15	18	02	.01	03		73	5
6		23	09		04	75	71	67		10	24		6
7		06	16		28	08		07		05	24	10	7
8	.08	05	07	02	08	09	98	12	trace	07	14	01	8
9	01	31	12		01	35	01	32		66	19		9
10	.01	09	19		30	26	01		.01		09		10
11	04	92		17		01	39		.02	07	02		11
12	17	01	01	03		03	04	06		03			12
13			37		09	18	01	04	.01		03		13
14	03	05			01	88	65	14			14	02	14
15	01	26	06	10		10		09	.01				15
16	31	19		10		02	04	1.03	.05				16
17		23		48	32	15	36	76			40		17
18	26			05		02	19		.02	.01	79	01	18
19	05	34			01		02	66	.01				19
20		25						23	trace	03	10	02	20
21	13	02	01	06		02		02			09		21
22	63	05		12	06	02	47				22	01	22
23	50			18	13	45			trace	27	1.51	35	23
24	01	03		12	33		05			02	25	09	24
25	03	03		48			13				03		25
26				02		02	03				46		26
27	07			36		02	16			04	10	10	27
28	24	05		03	44		02		trace			06	28
29	08		05		07		08		.02	24	03	07	29
30		✕	01	02	54	01	02		.10			09	30
31	30	✕		✕	08	✕	08		✕	01	✕	03	31
													YEAR'S TOTAL
TOTAL	2.96	3.36	1.32	3.02	3.08	4.45	4.83	4.23	1.16	2.21	7.27	2.70	40.59
*Days with ·01 in. or more.	19	20	14	19	18	23	25	14	13	18	22	18	223
*Days with ·04 in. or more.	13	16	9	14	15	13	17	12	4	12	18	11	154

40-9999

*See Instruction 2 ( ) on other side.

(Signed) A. J. Dexter [P.T.O.

330

3579

Section A for the entry of Daily Observations.

14208/1/31

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Falstone Rectory

in the County of Northumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			16	15	10		02		·82	39		01	1
2		12	01	46		74	07			08	15	34	2
3			01			09	11		·07	07	2·00	51	3
4		07		07		01			·01	04	05	15	4
5					19	15	18	02	·01	03		73	5
6		23	09		04	75	71	67		10	24		6
7		06	16		28	08		07		05	24	10	7
8	08	05	07	02	08	09	98	12	trace	07	14	01	8
9	01	31	12		01	35	01	32		66	19		9
10	01	09	19		30	26	01		·01		09		10
11	04	92		17		01	39		·02	07	02		11
12	17	01	01	03		03	04	06		03			12
13			37		09	18	01	04	·01		03		13
14	03	05			01	88	65	14			14	02	14
15	01	26	06	10		10		09	·01				15
16	31	19		10		02	04	1·03	·05				16
17		23		48	32	15	36	76			40		17
18	26			05		02	19		·02	01	79	01	18
19	05	34			01		02	66	·01				19
20		25						23	trace	03	10	02	20
21	13	02	01	06		02		02			09		21
22	63	05		12	06	02	47				22	01	22
23	50			18	13	45			trace	27	1·51	35	23
24	01	03		12	33		05			02	25	09	24
25	03	03		48			13				03		25
26				02		02	03				46		26
27	07			36		02	16			04	10	10	27
28	24	05		03	44		02		trace			06	28
29	08		05		07		08		·02	24	03	07	29
30		✕	01	02	54	01	02		10			09	30
31	30	✕		✕	08	✕	08		✕	01	✕	03	31
TOTAL	2·96	3·36	1·32	3·02	3·08	4·45	4·83	4·23	1·16	2·21	7·27	2·70	YEAR'S TOTAL 40·59
*Days with ·01 in. or more.	19	20	14	19	18	23	25	14	13	18	22	18	223
*Days with ·04 in. or more.	13	16	9	14	15	13	17	12	4	12	18	11	154

40-9999

*See Instruction 2 (b) on other side.

(Signed) A. J. Dexter

[P.T.O.

142697/31

3579

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Falstone Rectory

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* ..... *in.*
Height of Ground above Sea Level 485 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·96	·63	22	19	13
FEB.	3·36	·92	11	20	16
MAR.	1·32	·37	13	14	9
APRIL	3·02	·48	17 } 25 }	19	14
MAY	3·08	·54	30	18	15
JUNE	4·45	·88	14	23	13
JULY	4·83	·98	8	25	17
AUG.	4·23	1·03	16	14	12
SEPT.	1·16	·82	1	13	4
OCT.	2·21	·66	9	18	12
NOV.	7·27	2·00	3	22	18
DEC.	2·70	·73	5	18	11
Total	40·59			223	154

Signature A. J. Dexter

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Rev. A. J. Dexter
Falstone Rectory Northumberland

Hour of observation by the clock—in Winter 9 a.m. in Summer 10 a.m.

Nearest Railway Station Falstone Distance ¼ mile Direction from gauge NNW

Nearest Parish Church at Falstone Distance ~~M~~ ¼ Direction from gauge .....

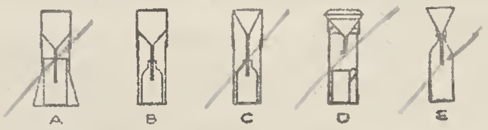
Nature of objects nearest to gauge	Open ground. One tree that was			
Heights of objects	growing near was removed			
Distances	some time ago.			
Directions from gauge				

If gauge has been moved during the year state—

Date of move ..... Distance ..... Direction .....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

As writing is still a difficulty owing to paralysis of hand I have not completed section A but you have had detailed monthly reports by postcard.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3579

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Falstone Rectory

in the County of Northumberland

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level.........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·10			·09					·41	·10	·08	·84	1
2	·45				·03	·04	·26		·26	·15	·19	·25	2
3	·18	·01		·02			·06	·01	·17		·10	·10	3
4	·11		·04		·18		·74	·08				·04	4
5	·49		·15	·10	·07				·25	·01			5
6	·07		·12	·25	·01		·01		·10	·16		·01	6
7			·21	·08	·01				·16	·32			7
8				·22					·29	·67			8
9	·54	·14		} x	·03				·10	·31		·06	9
10	·05	·04	·04	1·44 x	·03				·41	·30		·07	10
11	·01	·06	·01	·01	·26	·10	·10						11
12	·16	·04	·01		·26		·69	·16		·20	·05		12
13	·17	·08		·10	·14		·12	·03	·38	·05		·13	13
14	·16			·09						·04	·02	·30	14
15	·88				·22		·02	·01		·07	·15	·63	15
16	·51						·01			·06		1·61	16
17	·02		·01				·17	·09		·68	·02	·77	17
18	·01				·35							·09	18
19		·01	·05	·14	·07					·11			19
20	·06		·06	·10	·02			·32		·15	·02	·12	20
21	·07		·53	·07			·03	·21		1·19	·03	·08	21
22			·46	·25			·03			·07	·49	·06	22
23		·03	·02	·16			·10		·03	·01	·03	·03	23
24		·04	·02				·09		·38	·01			24
25		·02			·15	·01		·02	·05	·20	·28		25
26		·03			·03		·28		·36	·06	·13		26
27			·15	·22		·55	·25			·18		·02	27
28			·04	·24	·26	·01	·02			·12	·04		28
29	·02		·47	·06	·18	·19	·41	·49	·02	·26	·47	·05	29
30		×	·16			·24	·17	·17	1·60	·18	·03		30
31		×		×		×	·06	·04	×	·01	×	·04	31
													YEAR'S TOTAL
TOTAL	4·06	·50	2·55	3·64	2·30	1·14	3·62	1·63	4·97	5·67	2·13	5·30	37·51
*Days with ·01 in. or more.	19	11	18	19	18	7	20	12	16	27	16	20	203
*Days with ·04 in. or more.	15	6	13	17	11	5	14	8	14	23	10	17	153

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) A. J. Dexter

[P.T.O.

3579

FORM 1090. **B** Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1932

At Falstone Rectory

In the County of Northumberland

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground 1 *ft* – *in.*

Height of Ground above Sea Level 485 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	4.06	·88	15	19	15
FEB.	·50	·14	9	11	6
MAR.	2·55	~~·47~~ ·53	~~29~~ 21	18	13
※ APRIL	3·64	1·44	{ 9 10	19	17
MAY	2·30	·35	18	18	11
JUNE	1·14	·55	27	7	5
JULY	3·62	·74	4	20	14
AUG.	1·63	·49	29	12	8
SEPT.	4·97	1·60	30	16	14
OCT.	5·67	1·19	21	27	23
NOV.	2·13	·49	22	16	10
DEC.	5·30	1·61	16	20	17
Total	37·51			203	153

Signature A. J. Dexter

M

*See Instruction 2 (*f*) below.

C **Particulars of Station.**

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Rev. A. J. Dexter
Falstone Rectory Northumberland

Hour of observation by the clock—in Winter 9 a.m. in Summer 10 a.m.

Nearest Railway Station Falstone Distance ¼ mile Direction from gauge WNW

Nearest Parish Church at Falstone Distance Direction from gauge

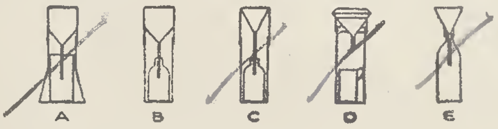
Nature of objects nearest to gauge	Stone wall			
Heights of objects	about 4' 6"			
Distances ..	more than 20 feet			
Directions from gauge ..	S.W.			

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

※ April 9th & 10th. Rainfall was probably about 1 inch on the 9th, I was unable to take the measurement on morning of 10th.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3579

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Falstone Rectory

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

" Ground " Sea Level .... ft.

This station has terminated.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·06	·20	·07		·03	·06							1
2	·67	·02	·09	·02		·56							2
3	·12	·10	·15	·01	·22								3
4	·30	·61	·10		·25								4
5	·09	·12	·14		·10								5
6	·02	·14	·11		·17								6
7	·15	·13			·04		·01			1·00			7
8	·04	·07	09	·23	·05	·04		·05		·03			8
9		·37		·01		·01	·12			·45			9
10	·12	·04			·03	·15	·02			·01			10
11					·37		·25			·01			11
12						·05	·06						12
13			·04		·02		·51	·06		·10			13
14	·20		·13				·27			·03			14
15	·05		·17	·02	·02	·08				·27			15
16	·04		08		·23	·13	·10	·06					16
17	·07		·04	·24	·02	·49		·19	·07				17
18		·57	·13	·08		·27		·33					18
19			·01	·06		·06		·03	·18				19
20		·01		·01	·25	·66		·02	·09	·08			20
21		·01						·10	·01	·17			21
22								·14	·17	·39			22
23		·04			·15	·06		·09	·14				23
24		·26		·48	·11	·03	·10	·02	·08	·03			24
25		1·20		·16					·16	·07			25
26		·64		·06					·09	·10			26
27		·08		·03			·34			·09			27
28					·03		·05	·57		·49			28
29			·09	·02			·21	·01		·49			29
30	·04	×	·02	·16			·18		·02	·04			30
31	2·54	×	·03	×		×	·01	·07	×		×		31
TOTAL	4·51	4·61	1·49	1·59	2·09	2·65	2·23	1·74	1·01	3·85			YEAR'S TOTAL
*Days with ·01 in. or more.	15	19	17	16	17	14	14	14	10	18			
*Days with ·04 in. or more.	14	16	14 13	8	11	12	11	10	8	13			

40-9999

*See Instruction 2 (*f*) on other side.

D M

(Signed) A. J. Dexter

[P.T.O.

3580

Section **A** for the entry of

AIR MINISTRY

FOR OFFICIAL USE.

ORGANIZATION.

FORM 1090.

REGIST

Kept at Bellinghan

in the County of Northum

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea Le

THE MORNING MEASU

An observer who does not conform to

year in the space on the right of thi

owing

Jan. 1, following

3580

BELLINGHAM, HIGH GREEN

1931 —— 40

780702

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~								mm ~~in.~~	mm ~~in.~~	
1	0.3	-	7.2	3.6	2.3	0.6	1.0	-	21.7	4.3	0.1	0.1	1
2	0.1	2.8	0.2	11.4	-	16.5	2.6	0.5	0.1	3.0	1.0	6.2	2
3	-	1.1	-	-	-	2.6	3.4	-	2.1	1.1	40.1	11.0	3
4	0.1	2.0	-	2.2	-	1.7	-	-	0.9	0.8	1.0	3.8	4
5	-	0.5	-	-	3.2	7.0	8.4	-	-	0.7	0.1	16.5	5
6	-	4.8	3.1	-	0.1	21.6	17.0	10.0	0.1	3.1	4.2	-	6
7	-	1.7	8.5	-	7.2	1.7	100	2.3	-	4.4	2.9	1.6	7
8	1.1	1.2	3.0	0.1	1.6	3.8	22.8	2.6	1.1	1.8	3.4	0.8	8
9	0.1	6.4	5.0	0.2	1.8	8.2	0.5	7.4	-	7.3	7.1	0.7	9
10	-	1.3	3.2	-	4.6	6.0	0.9	0.4	-	0.1	3.6	0.1	10
11	1.6	12.1	0.1	4.1	-	0.2	7.6	-	0.6	1.2	2.4	-	11
12	3.4	0.1	0.3	2.0	-	3.6	2.3	8.1	-	0.5	-	-	12
13	1.6	-	8.4	0.5	1.6	3.2	0.1	0.5	0.1	-	-	-	13
14	1.5	2.1	0.1	-	-	25.0	3.9	3.4	-	-	2.6	1.1	14
15	1.1	3.2	0.1	4.5	-	1.0	1.2	2.2	0.9	-	0.1	-	15
16	5.9	3.8	-	3.2	0.5	0.2	5.0	15.0	3.0	-	-	-	16
17	-	6.1	-	11.0	6.1	3.4	8.2	21.8	0.1	0.1	8.9	-	17
18	7.5	-	-	2.1	-	1.0	1.9	0.2	0.5	-	18.3	-	18
19	1.4	2.8	-	0.1	0.2	0.5	2.3	269	0.1	2.0	0.1	-	19
20	0.1	3.7	-	-	-	-	0.1	2.3	0.1	-	2.0	0.8	20
21	3.0	3.5	-	5.7	-	-	0.6	1.1	-	-	2.1	-	21
22	6.4	0.9	-	6.2	1.7	1.0	7.0	-	-	-	2.6	-	22
23	9.1	0.3	0.2	4.6	5.7	10.0	0.2	-	-	6.5	27.3	3.0	23
24	0.5	0.2	-	5.0	10.1	0.1	1.2	-	-	1.0	6.0	0.6	24
25	-	1.1	-	19.8	-	-	4.0	-	-	-	0.6	-	25
26	-	-	-	1.7	-	-	2.2	-	-	-	13.4	-	26
27	1.4	-	1.5	6.1	-	0.8	5.4	-	-	3.8	3.0	1.6	27
28	6.4	2.1	0.2	1.5	13.7	-	0.7	-	0.1	-	0.1	1.1	28
29	3.1	X	2.0	0.6	3.0	-	2.6	-	0.1	9.1	1.0	8.0	29
30	1.5	X	0.1	0.1	7.5	0.1	1.0	-	2.1	-	0.2	-	30
31	1.0	X	-	X	3.7	X	4.9	-	X	0.6	X	0.8	31
TOTAL	58.2	63.8	43.2	96.3	74.6	119.2	129.0	104.7	33.7	51.4	154.2	57.8	986.1
*Days with ·01 in. or more.	~~19~~	~~22~~	~~13~~	~~20~~	~~17~~	~~22~~	~~28~~	~~15~~	~~9~~	~~17~~	~~22~~	~~15~~	~~219~~
*Days with ·04 in. or more.	~~14~~	~~18~~	~~9~~	~~17~~	~~15~~	~~17~~	~~23~~	~~12~~	~~5~~	~~13~~	~~20~~	~~10~~	~~176~~

40-9999 ~~58.2 63.8 43.2 96.3 74.6 119.2 129.0 104.7 33.5 51.3 154.0 57.8 985.6~~

(Signed)............ P.T.O.

*See Instruction 2 (*f*) on other side.

3580

Section | **A** | **for the entry of** FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Bellingham (HIGHGREEN) ·/

in the County of Northumberland

400

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 849 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	
1	0·3	–	7·2	3·6	2·3	0·6	1·0	–	21·7	4·3	0·1	0·1	1
2	0·1	2·8	0·2	11·4	–	16·5	2·6	0·5	0·1	3·0	1·0	6·2	2
3	–	1·1	–	–	–	2·6	3·4	–	2·1	1·1	40·1	11·0	3
4	0·1	2·0	–	2·2	–	1·7	–	–	0·9	0·8	1·0	3·8	4
5	–	0·5	–	–	3·2	7·0	8·4	–	–	0·7	0·1	16·5	5
6	–	4·8	3·1	–	0·1	21·6	17·0	10·0	0·1	3·1	4·2	–	6
7	–	1·7	8·5	–	7·2	1·7	10·0	2·3	–	4·4	2·9	1·6	7
8	1·1	1·2	3·0	0·1	1·6	3·8	22·8	2·6	1·1	1·8	3·4	0·8	8
9	0·1	6·4	5·0	0·2	1·8	8·2	0·5	7·4	–	7·3	7·1	0·7	9
10	–	1·3	3·2	–	4·6	6·0	0·9	0·4	–	0·1	3·6	0·1	10
11	1·6	12·1	0·1	4·1	–	0·2	7·6	–	0·6	1·2	2·4	–	11
12	3·4	0·1	0·3	2·0	–	3·0	2·3	8·1	–	0·5	–	–	12
13	1·6	–	8·4	0·5	1·6	3·2	0·1	0·5	0·1	–	–	–	13
14	1·5	2·1	0·1	–	–	25·0	3·9	3·4	–	–	2·6	1·1	14
15	1·1	3·2	0·1	4·5	–	1·0	1·2	2·2	0·9	–	0·1	–	15
16	5·9	3·8	–	3·2	0·5	0·2	5·0	15·0	3·0	–	–	–	16
17	–	6·1	–	11·0	6·1	3·4	8·2	21·8	0·1	0·1	8·9	–	17
18	7·5	–	–	2·1	–	1·0	1·9	0·2	0·5	–	18·3	–	18
19	1·4	2·8	–	0·1	0·2	0·5	2·3	26·9	0·1	2·0	0·1	–	19
20	0·1	3·7	–	–	–	–	0·1	2·3	0·1	–	2·0	0·8	20
21	3·0	3·5	–	5·7	–	–	0·6	1·1	–	–	2·1	–	21
22	6·4	0·9	–	6·2	1·7	1·0	7·0	–	–	–	2·6	–	22
23	9·1	0·3	0·2	4·6	5·7	10·0	0·2	–	–	6·5	27·3	3·0	23
24	0·5	0·2	–	5·0	10·1	0·1	1·2	–	–	1·0	6·0	0·6	24
25	–	1·1	–	19·8	–	–	4·0	–	–	–	0·6	–	25
26	–	–	–	1·7	–	–	2·2	–	–	–	13·4	–	26
27	1·4	–	1·5	6·1	–	0·8	5·4	–	–	3·8	3·0	1·6	27
28	6·4	2·1	0·2	1·5	13·7	–	0·7	–	0·1	–	0·1	1·1	28
29	3·1	X	2·0	0·6	3·0	–	2·6	–	0·1	9·1	1·0	8·0	29
30	1·5	X	0·1	0·1	7·5	0·1	1·0	–	2·1	–	0·2	–	30
31	1·0	X	–	X	3·7	X	4·9	–	X	0·6	X	0·8	31
TOTAL	58·2	63·8	43·2	96·3	74·6	119·2	129·0	104·7	33·7	51·4	154·2	57·8	986·1
*Days with ·01 in. or more.	~~19~~	~~22~~	~~13~~	~~20~~	~~17~~	~~22~~	~~28~~	~~15~~	~~9~~	~~17~~	~~22~~	~~15~~	~~219~~
*Days with ·04 in. or more.	~~14~~	~~18~~	~~9~~	~~17~~	~~15~~	~~17~~	~~23~~	~~12~~	~~5~~	~~13~~	~~20~~	~~10~~	~~176~~
40-9999	~~58·2~~	~~63·8~~	~~43·2~~	~~96·3~~	~~74·6~~	~~119·2~~	~~129·0~~	~~104·7~~	~~33·5~~	~~51·3~~	~~154·0~~	~~57·8~~	~~985·6~~

(Signed) .... P.T.O.

*See Instruction 2 (*f*) on other side.

3580

Section **A** for the entry of Daily Observations.

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1

REGISTER OF RAINFALL IN 1932.

Kept at Bellingham

in the County of Northumberland

Diameter of Funnel of Gauge............in.

Height of top of Gauge above Ground............ft............in.

,, Ground ,, Sea Level 848 ft.

150

400

73

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	
1	2.0	-	-	1.3	-	-	-	-	5.1	1.2	1.6	10.2	1
2	7.2	-	-	-	0.9	-	7.3	-	5.8	4.5	3.5	5.8	2
3	3.1	0.4	-	1.4	-	-	19	-	8.6	0.2	2.8	1.8	3
4	1.4	0.1	0.3	-	7.0	-	14.6	-	0.5	-	0.1	0.3	4
5	7.1	-	2.8	1.7	2.1	-	-	0.2	6.0	-	-	0.1	5
6	3.1	-	3.1	4.9	1.1	-	-	-	2.2	2.7	-	1.4	6
7	-	-	6.1	0.8	0.5	1.0	-	-	5.2	4.6	-	0.4	7
8	-	1.1	-	3.3	2.3	-	-	-	5.5	15.3	-	-	8
9	9.0	3.7	-	16.7	1.4	-	-	-	3.6	5.7	-	2.1	9
10	1.2	1.0	1.4	7.7	1.2	-	-	-	6.9	9.4	-	2.1	10
11	0.8	2.0	0.1	1.2	6.9	3.0	4.1	-	-	-	-	-	11
12	3.1	0.6	-	-	4.3	-	12.8	1.5	-	3.7	1.7	-	12
13	2.7	3.7	-	5.4	3.4	-	1.2	0.7	7.9	0.1	-	3.2	13
14	2.5	-	-	3.4	-	-	-	0.3	-	0.9	1.5	1.5	14
15	13.7	-	-	0.4	7.7	-	-	0.2	-	1.8	4.2	5.9	15
16	8.7	-	0.4	-	-	-	-	-	-	1.8	1.3	27.4	16
17	0.8	-	0.1	0.3	-	-	4.9	2.5	0.1	12.3	0.1	11.8	17
18	-	-	-	-	4.8	-	-	-	-	-	-	1.2	18
19	-	0.1	2.2	-	1.8	-	-	-	-	2.7	-	-	19
20	0.8	-	3.6	6.3	0.9	-	1.2	7.3	-	4.5	-	2.5	20
21	1.7	-	12.3	0.8	-	-	-	9.4	-	24.9	0.2	1.2	21
22	-	-	12.5	4.2	-	-	0.2	-	-	1.9	8.5	0.6	22
23	-	0.8	0.2	4.6	-	-	2.2	-	1.3	0.2	0.6	0.5	23
24	-	0.7	0.9	0.6	1.7	0.6	2.5	-	9.0	0.2	0.2	-	24
25	-	0.4	-	-	4.5	-	-	0.2	1.2	4.8	5.1	-	25
26	-	0.4	-	-	1.5	-	8.2	-	12.0	1.2	3.8	-	26
27	-	0.4	4.0	6.4	0.5	16.1	4.0	-	-	5.4	2.1	0.5	27
28	-	-	0.8	12.1	8.1	-	-	0.9	-	1.0	-	0.1	28
29	-	-	13.1	-	3.9	6.0	12.7	10.5	1.0	4.8	6.4	0.8	29
30	-	X	4.3	-	-	7.4	1.6	2.5	38.1	5.8	0.8	-	30
31	-	X	-	X	-	X	1.2	3.0	X	-	X	1.0	31
TOTAL	68.9	15.4	68.2	83.5	66.5	34.1	80.6	39.2	120.0	121.6	44.5	82.4	824.9
*Days with ·01 in. or more.	~~17~~	~~12~~	~~16~~	~~20~~	~~21~~	~~6~~	~~16~~	~~13~~	~~17~~	~~25~~	~~16~~	~~21~~	~~200~~
*Days with ·04 in. or more.	~~14~~	~~5~~	~~11~~	~~15~~	~~17~~	~~5~~	~~15~~	~~7~~	~~16~~	~~21~~	~~12~~	~~15~~	~~153~~
40-9999	~~68.9~~	~~15.4~~	68.2	~~83.5~~	66.5	34.1	~~80.6~~	~~39.2~~	~~120.0~~	~~121.6~~	~~44.5~~	~~82.4~~	

(Signed).. [P.T.O.

*See Instruction 2 (*f*) on other side.

3580

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM No.

REGISTER OF RAINFALL IN 1933.

Kept at Bellingham

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground 1 ft. – in.

„ Ground „ Sea Level 848 ft.

150

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	
1	1.3	1.8	2.0	-	0.4	1.7	-	-	-	-	2.5	0.1	1
2	9.7	0.3	2.7	0.4	-	6.3	-	-	-	-	9.4	0.3	2
3	0.5	1.9	3.7	0.1	8.0	-	-	-	0.2	-	7.2	0.2	3
4	3.5	6.3	2.3	-	4.3	-	-	-	-	-	-	0.3	4
5	1.6	2.0	2.2	-	2.3	-	-	-	-	-	-	-	5
6	0.5	3.9	1.9	-	3.2	-	-	-	-	-	0.6	3.4	6
7	2.2	4.7	-	-	-	-	1.0	-	-	22.1	-	0.5	7
8	0.6	0.6	0.5	3.3	2.5	1.9	-	1.0	-	0.3	-	2.6	8
9	-	8.1	-	0.1	0.2	-	2.3	-	-	8.1	2.0	1.7	9
10	3.1	0.1	-	-	-	4.0	2.8	-	-	0.2	0.4	1.5	10
11	-	-	-	0.1	1.9	-	7.0	0.1	-	0.1	-	0.9	11
12	-	-	-	-	-	3.1	1.0	-	-	-	-	1.0	12
13	-	-	0.7	-	0.7	-	11.7	2.2	-	1.5	0.8	2.9	13
14	2.4	-	2.1	-	1.8	-	3.7	-	-	0.5	3.8	0.8	14
15	0.7	-	2.9	0.8	-	1.6	1.3	0.2	-	5.7	7.8	0.1	15
16	0.2	-	0.4	2.3	7.1	1.5	2.5	0.9	-	-	5.2	0.3	16
17	2.9	1.2	-	2.7	0.4	10.8	-	3.4	1.6	-	9.1	0.1	17
18	-	12.4	2.7	2.6	-	13.8	0.2	7.2	-	-	9.7	-	18
19	-	0.1	1.0	0.6	-	2.1	-	1.1	5.8	-	3.7	-	19
20	0.1	1.3	-	-	5.8	1.0	-	0.6	4.7	3.1	0.2	0.2	20
21	-	0.2	-	-	0.5	-	-	1.0	1.1	6.3	1.2	-	21
22	-	-	-	-	0.2	-	-	2.6	8.5	12.1	0.1	-	22
23	-	0.2	-	-	3.8	1.1	-	0.9	2.2	0.3	0.3	-	23
24	-	2.5	-	8.9	2.6	0.1	1.8	0.2	3.8	1.1	0.8	1.9	24
25	-	14.9	-	4.5	-	0.2	0.2	-	7.1	2.7	-	0.5	25
26	-	23.4	-	3.1	1.7	-	-	-	0.4	2.2	0.1	1.2	26
27	-	17.2	-	0.2	0.1	-	7.1	-	-	2.4	2.8	0.3	27
28	0.3	0.2	-	-	-	-	1.9	19.8	0.3	10.4	0.5	3.4	28
29	-	X	0.7	1.7	-	-	9.2	0.2	-	7.5	-	0.4	29
30	1.0	X	1.1	5.9	-	-	2.6	-	1.5	0.7	-	2.5	30
31	30.1	X	0.8	X	-	X	0.3	2.3	X	-	X	0.3	31
TOTAL	6.07	103.3	27.7	37.3	47.5	49.2	56.6	43.7	37.2	87.3	68.2	27.4	646.1
*Days with ·01 in. or more.	~~16~~	~~19~~	~~16~~	~~13~~	~~18~~	~~13~~	~~17~~	~~15~~	~~12~~	~~18~~	~~19~~	~~22~~	~~198~~
*Days with ·04 in. or more.	~~10~~	~~14~~	~~11~~	~~9~~	~~12~~	~~12~~	~~14~~	~~9~~	~~9~~	~~13~~	~~12~~	~~10~~	~~135~~
40-9999	60.7	103.3	27.7	37.3	47.5	49.2	56.6	43.7	37.2	87.3	68.2	27.4	

(Signed) ....

*See Instruction 2 (*f*) on other side.

P.T.O.

D

3580

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

3580.

Kept at Bellingham
in the County of Northumberland

15
400

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground 1 ft. - in.
,, Ground ,, Sea Level 848 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	
1	0.5	-	1.1	1.2	-	-	-	1.2	-	-	-	1.1	1
2	0.1	0.3	2.4	0.5	-	-	-	8.4	4.5	0.2	2.1	8.0	2
3	3.3	0.5	0.1	-	-	-	-	0.8	-	2.8	4.0	4.4	3
4	2.5	-	1.2	1.6	-	-	-	-	0.3	3.2	1.8	21.4	4
5	6.1	-	3.6	1.0	5.6	0.3	-	0.5	-	2.4	3.5	0.9	5
6	5.9	-	2.2	-	5.7	0.7	-	22.6	0.5	17.4	1.2	3.8	6
7	8.2	1.8	0.5	5.5	0.7	4.5	-	0.1	-	2.7	-	5.3	7
8	0.1	-	11.4	-	2.0	0.4	-	1.6	0.6	5.0	-	1.1	8
9	0.5	0.1	0.8	10.3	-	-	-	0.8	1.2	1.6	11.5	0.4	9
10	0.6	-	4.1	4.2	-	-	-	15.7	0.2	0.4	14.6	-	10
11	1.6	-	28.6	28.3	0.3	-	-	1.6	0.1	0.2	1.5	1.7	11
12	0.2	0.1	26.1	12.9	2.2	-	15.5	6.3	-	0.3	2.2	4.8	12
13	12.0	-	0.6	0.4	0.5	2.5	39.3	-	-	3.3	-	0.1	13
14	11.3	0.1	5.4	0.1	0.9	0.3	4.0	-	-	1.3	0.5	5.4	14
15	-	-	1.3	0.6	7.8	0.3	0.2	0.5	0.2	10.9	2.6	5.4	15
16	8.9	-	6.9	-	0.9	-	-	-	-	0.6	3.7	0.1	16
17	7.5	-	5.7	0.5	3.8	-	13.9	-	7.6	0.9	0.2	6.3	17
18	20.1	-	0.5	4.3	3.1	2.5	1.2	2.0	0.6	0.1	-	3.5	18
19	-		5.3	15.5	8.0	0.9	1.1	0.9	1.4	0.9	-	1.3	19
20	-	-	0.2	0.8	1.3	1.6	-	7.6	0.3	0.5	-	0.1	20
21	0.1		-	0.2	-	21.3	1.4	4.9	1.9	0.3	-	-	21
22	-	-	0.1	0.4	-	18.8	1.6	7.1	6.3	3.0	1.8	1.3	22
23	-	-	1.5	1.8	-	-	5.1	-	-	4.8	1.6	3.1	23
24	-	0.3	-	1.5	1.1	0.9	0.4	-	0.5	14.9	-	0.3	24
25	1.4	-	0.8	2.4	-	-	0.3	-	6.2	10.3	-	15.7	25
26	1.2	-	0.7	0.6	-	7.2	1.1	-	3.4	17.4	-	1.4	26
27	-	0.7	-	2.1	-	0.2	0.7	-	2.4	5.4	-	1.7	27
28	-	-	0.1	2.3	-	0.1	-	7.7	0.3	0.7	-	9.4	28
29	-	X	2.6	0.1	-	-	4.2	15.7	11.7	15.5	-	0.9	29
30	3.4	X	0.6	-	-	-	-	1.0	8.4	24.9	-	3.7	30
31	1.4	X	-	X	-	X	-	0.2	X		X	1.0	31
TOTAL	96.9	3.9	114.4	99.1	43.9	62.5	90.0	107.2	58.6	151.9	52.8	113.6	YEAR'S TOTAL 994.8
*Days with ·01 in. or more.	~~19~~	~~5~~	~~24~~	~~23~~	~~15~~	~~15~~	~~15~~	~~20~~	~~20~~	~~28~~	~~15~~	~~26~~	~~225~~
*Days with ·04 in. or more.	~~15~~	~~1~~	~~16~~	~~15~~	~~10~~	~~7~~	~~11~~	~~14~~	~~11~~	~~18~~	~~13~~	~~22~~	~~153~~
40-9999	~~96.9~~	~~3.9~~	~~114.4~~	~~99.1~~	~~43.9~~	~~62.5~~	~~90.0~~	~~107.2~~	~~58.6~~	~~151.9~~	~~52.8~~	~~113.6~~	

(Signed) .... P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3580

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Bellingham

in the County of Northumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 848 ft.

150

400 TL

73

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~		
1	14.1	2.9	1.5	0.7	-	-	7.8	-	7.1	0.5	0.1	4.3		1
2	-	0.1	4.1	1.2	-	1.7	0.1	-	5.2	14.6	1.4	-		2
3	-	3.3	4.8	2.2	-	4.1	0.5	-	1.4	-	7.5	-		3
4	-	-	1.6	-	-	15.1	0.3	-	-	5.9	0.5	-		4
5	3.1	3.2	2.2	0.4	-	28.5	-	-	3.9	-	1.7	0.1		5
6	4.8	0.5	0.1	-	-	5.6	-	-	-	5.8	0.6	-		6
7	3.8	-	-	6.9	-	3.5	-	-	-	3.2	1.2	0.6		7
8	-	-	-	6.5	-	1.3	-	-	-	1.4	0.3	0.4		8
9	0.4	0.3	0.1	7.7	-	1.8	0.3	-	-	7.3	6.8	1.3		9
10	1.3	2.7	-	10.3	-	1.0	-	-	-	2.3	8.4	-		10
11	8.4	2.0	-	3.1	-	1.1	-	7.9	-	1.0	1.2	2.3		11
12	-	2.2	-	-	-	3.1	-	-	0.9	0.5	0.5	0.4		12
13	3.7	2.3	-	0.7	6.8	0.6	3.8	-	3.0	3.2	0.4	0.5		13
14	-	0.1	1.2	-	-	0.5	-	-	1.0	-	3.9	1.7		14
15	-	7.0	-	7.5	3.0	2.1	-	3.2	14.5	7.4	0.2	4.3		15
16	-	13.0	1.1	13.7	13.6	0.2	4.7	7.3	18.4	0.1	5.8	0.1		16
17	-	0.3	0.1	7.6	0.5	2.1	-	6.4	1.5	1.3	20.1	0.9		17
18	1.2	8.9	-	0.7	-	9.0	1.7	-	7.0	24.0	0.9	1.0		18
19	0.3	7.8	-	2.7	-	4.1	8.1	-	1.4	0.5	1.0	-		19
20	-	6.4	-	4.1	-	0.7	-	-	-	-	1.9	-		20
21	-	1.7	1.2	1.1	-	-	-	-	6.5	6.1	4.2	-		21
22	-	5.6	2.8	5.1	-	-	-	-	1.2	-	2.1	-		22
23	1.3	-	0.6	0.5	-	0.5	0.4	3.1	-	3.0	-	-		23
24	2.5	12.1	1.9	0.2	-	-	-	-	5.8	0.3	-	6.0		24
25	3.4	3.4	0.1	-	-	0.6	-	-	-	-	3.5	3.9		25
26	1.0	-	-	-	-	1.8	0.7	28.5	6.5	2.1	0.6	6.5		26
27	-	1.3	-	-	-	0.4	0.8	-	3.5	2.2	2.1	1.4		27
28	0.3	0.6	-	-	-	-	-	-	0.8	8.7	6.6	0.1		28
29	-	X	4.4	-	-	2.7	-	0.2	0.9	9.2	1.4	4.4		29
30	-	X	0.5	-	-	9.7	-	9.9	17.2	19.5	20.5	-		30
31	0.4	X	-	X	-	X	-	0.4	X	3.6	X	6.2		31
TOTAL	50.0	87.7	28.3	82.9	23.9	101.8	29.2	66.9	107.7	133.7	105.4	46.4	863.9	
*Days with ·01 in. or more.	~~16~~	~~21~~	~~13~~	~~20~~	~~4~~	~~25~~	~~11~~	~~9~~	~~20~~	~~24~~	~~27~~	~~17~~	~~204~~	
*Days with ·04 in. or more.	~~12~~	~~17~~	~~11~~	~~14~~	~~3~~	~~18~~	~~5~~	~~7~~	~~17~~	~~20~~	~~19~~	~~12~~	~~155~~	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*)..........

[P.T.O.

3580.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. ~~73~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

TL

Kept at Bellingham

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 848 ft.

mm. 150 400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	mm ~~in.~~	†	
1	8·4	6·4	11·4	-	-	1·2	47·9	14·2	5·5	-	0·1	-		1
2	0·3	1·4	2·1	-	-	1·8	12·0	2·1	2·0	-	0·8	1·1		2
3	0·5	-	-	-	-	9·5	0·1	0·3	3·6	-	-	2·8		3
4	19·2	-	1·1	-	0·4	0·2	0·1	1·9	7·1	0·2	3·8	2·5		4
5	4·0	-	0·1	-	0·2	-	-	1·1	0·9	-	1·9	1·1		5
6	8·9	-	-	0·3	0·1	-	10·8	10·4	14·3	-	3·3	-		6
7	1·4	-	5·3	-	-	-	2·9	-	0·8	-	6·0	1·4		7
8	4·7	-	2·2	-	-	-	1·9	-	-	0·4	1·7	-		8
9	16·9	0·1	17·9	-	-	-	-	0·4	5·5	0·3	6·7	-		9
10	4·1	-	0·1	0·4	-	-	-	-	0·3	0·2	0·9	0·1		10
11	0·2	-	-	6·7	0·1	2·9	3·6	4·7	2·3	0·2	15·0	2·1		11
12	0·1	-	-	7·8	0·6	1·4	4·1	0·9	13·8	-	7·5	0·8		12
13	-	-	-	6·3	-	-	7·1	-	-	4·0	1·8	15·9		13
14	-	-	-	7·9	-	2·1	0·1	2·3	15·5	2·0	1·0	7·2		14
15	-	-	0·2	2·1	2·9	0·7	1·5	4·5	-	0·4	7·1	1·9		15
16	0·5	-	-	-	-	0·7	0·3	-	-	2·5	10·4	2·0		16
17	4·8	4·5	-	-	23·6	-	1·7	0·5	-	2·5	10·9	10·4		17
18	-	3·6	-	1·4	-	-	2·2	1·6	-	5·1	0·3	1·6		18
19	12·6	4·7	0·4	-	-	-	5·8	0·9	-	1·4	-	1·9		19
20	7·3	6·1	2·1	0·5	-	-	2·1	0·6	-	0·5	0·1	9·1		20
21	3·6	3·6	5·2	0·3	-	-	1·2	0·2	-	0·1	-	2·2		21
22	0·8	4·5	0·2	0·1	3·2	3·4	2·4	-	-	0·4	-	0·2		22
23	0·6	1·1	1·3	9·9	1·2	-	10·0	0·1	-	1·1	-	-		23
24	1·5	6·7	0·1	0·7	10·3	-	6·9	-	36·6	27·9	-	-		24
25	8·5	0·5	1·5	0·8	0·1	-	1·9	-	3·4	2·0	0·2	0·7		25
26	2·2	4·1	3·5	0·1	-	-	0·1	-	5·3	11·2	-	0·1		26
27	2·4	0·5	2·9	-	-	-	0·3	-	1·9	1·9	-	-		27
28	1·8	14·5	1·4	0·4	-	-	-	-	0·7	-	-	0·1		28
29	12·6	9·8	8·6	-	7·2	17·9	1·4	-	0·3	5·5	0·1	0·6		29
30	1·1	✕	4·1	-	0·1	1·8	5·4	-	0·1	2·8	0·8	4·4		30
31	1·2	✕	3·9	✕	0·8	✕	-	-	✕	-	✕	4·7		31
TOTAL	130·2	72·1	75·6	46·7	50·8	43·6	133·8	46·7	119·9	72·6	80·4	74·9	946·3	
*Days with ·01 in. or more.	26	15	19	15	10	12	22	16	18	22	18	21	214	
*Days with ·04 in. or more.	20	13	16	7	6	9	20	9	13	13	13	17	156	
40-9999	~~130·2~~	~~72·1~~	~~75·6~~	~~45·7~~	~~50·8~~	~~43·6~~	~~133·8~~	~~46·7~~	~~119·9~~	~~72·6~~	~~80·4~~	~~74·9~~		

† ~~(Spare column, no entries required.)~~

(Signed) ....

[P.T.O.

*See Instruction 2 (*f*) on other side.

3580 7³

Section **A** for the entry of Daily Observations.

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 10

REGISTER OF RAINFALL IN 1937.

Kept at Bellingham (Highgreen)
in the County of Northumberland

Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 0 in.
,, Ground ,, Sea Level 8489 ft.

T.L. 150
400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	
1	1.5	0.5	7.0	-	-	1.0	0.9	-	6.3	4.7	0.1	1.4	1
2	3.3	7.6	0.1	1.8	-	4.5	-	-	-	0.1	-	1.8	2
3	0.9	12.1	0.3	1.3	11.2	2.3	9.1	-	1.4	-	-	0.4	3
4	9.1	0.7	2.6	2.1	0.4	2.1	6.9	2.3	3.4	-	-	1.7	4
5	5.1	0.5	4.2	0.3	4.1	0.4	5.1	-	8.3	-	-	16.3	5
6	1.8	1.3	1.4	1.3	2.1	0.7	0.1	0.3	5.7	0.9	0.9	1.0	6
7	-	7.7	4.1	6.0	1.4	-	2.8	-	4.2	3.1	3.0	11.6	7
8	-	9.3	0.4	3.1	-	-	6.3	-	-	0.1	0.2	9.8	8
9	0.2	4.6	0.2	2.2	-	0.5	2.4	1.9	-	0.1	-	2.7	9
10	-	0.2	2.7	0.2	3.6	0.3	0.5	-	-	-	0.8	1.6	10
11	-	-	13.4	0.1	-	3.0	-	-	0.1	-	-	11.7	11
12	19.4	5.4	7.4	0.3	0.3	-	-	12.4	2.9	0.1	-	10.9	12
13	-	1.9	0.2	4.6	0.4	2.6	-	0.3	1.1	-	-	8.7	13
14	-	1.0	0.2	0.1	-	1.0	0.7	15.4	0.8	0.1	0.4	18.2	14
15	0.8	19.5	-	7.2	-	-	10.6	-	1.7	-	-	4.1	15
16	1.3	3.8	7.0	8.5	-	0.9	-	5.2	6.7	-	-	8.8	16
17	2.1	0.8	7.1	0.2	1.9	0.6	-	-	29.6	-	-	2.3	17
18	-	1.5	1.0	1.5	-	0.5	0.1	7.4	-	-	-	-	18
19	0.2	3.1	-	1.0	-	0.7	-	1.8	8.4	-	4.2	-	19
20	1.8	-	0.7	3.6	22.3	2.1	1.9	-	0.4	1.3	13.8	6.2	20
21	2.2	-	0.6	3.0	10.6	1.5	8.3	-	-	1.2	-	4.6	21
22	1.3	-	7.6	0.2	4.1	1.1	2.8	0.3	-	0.9	1.3	2.8	22
23	2.2	-	0.5	-	1.6	-	1.8	-	0.2	21.7	0.2	0.3	23
24	2.5	0.5	0.8	-	0.6	-	6.5	-	1.0	3.5	-	3.5	24
25	3.4	8.1	-	-	0.1	-	-	1.0	-	3.4	-	0.3	25
26	1.1	6.9	0.1	-	13.3	-	-	-	-	0.7	-	0.5	26
27	1.3	12.9	0.9	2.2	-	-	0.2	-	0.6	15.8	0.1	0.3	27
28	13.0	0.2	-	-	-	0.4	-	-	-	1.5	-	1.0	28
29	18.6	X	-	-	-	0.8	-	8.6	-	3.5	0.9	2.5	29
30	5.1	X	-	-	-	1.2	-	5.4	3.0	0.6	1.3	0.5	30
31	14.6	X	-	X	0.6	X	-	14.0	X	3.9	X	0.1	31
TOTAL	112.8	110.1	70.5	50.8	78.6	28.2	67.0	76.3	8.58	67.2	27.2	135.6	910.1
Days with 0·2 mm. or more.	24	23	22	20	16	21	16	14	18	15	11	28	228 ✓
Days with 1·0 mm. or more.	20	16	12	15	11	11	12	11	14	11	5	22	160 ✓
(144W)	112.8	110.1	70.5	50.8	78.6	28.2	67.1	76.3	85.8	67.2	27.2	135.6	910.1 ✓

40-9999

(Signed)

[P.T.O.

73

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3580

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1091.

REGISTER OF RAINFALL IN 1938.

Kept at Bellingham (Highgreen)
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
" Ground " Sea Level 849 ft.

T.L.

white form next year

150

400

changed to ins. 1st Oct. 1938

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	†	
1	-	5.0	-	-	-	17.6	-	-	0.6	-	7.9	5.3		1
2	0.3	1.4	-	3.6	-	7.1	0.2	-	3.7	15.5	1.5	2.5		2
3	0.5	4.3	-	-	-	0.1	2.1	-	2.7	27.2	5.3	-		3
4	0.2	0.6	-	0.7	-	1.3	0.5	-	-	3.3	·03	10.1		4
5	-	2.2	0.5	-	-	-	2.3	2.7	2.1	1.8	·03	1.8		5
6	6.2	-	-	-	-	3.9	2.0	-	0.4	8.6	·08	0.3		6
7	0.5	-	-	-	-	-	11.3	1.4	1.1	3.3	·146	0.3		7
8	1.6	0.4	-	-	-	0.2	1.5	-	-	14.0	16.5	0.8		8
9	5.2	1.2	0.5	-	4.1	4.0	0.5	-	-	3.1	-	6.9		9
10	0.1	0.1	-	-	-	5.3	1.7	-	-	2.0	0.3	0.8		10
11	0.9	-	-	-	0.8	0.7	3.0	-	-	4.3	1.8	1.5		11
12	9.1	0.1	-	-	6.6	-	-	13.1	-	10.4	17.5	0.3		12
13	1.4	3.6	-	-	0.6	-	0.5	0.1	2.5	3.1	2.3	1.0		13
14	12.3	0.6	-	-	4.1	-	-	-	-	1.3	0.3	1.8		14
15	3.5	0.7	9.3	-	4.8	-	3.0	4.4	0.2	3.3	-	14.2		15
16	11.1	1.9	1.0	-	3.6	-	0.1	3.7	3.1	3.5	2.5	1.3		16
17	0.1	-	2.6	-	4.4	-	0.1	1.8	6.9	10.7	0.3	0.5		17
18	4.0	0.3	3.8	-	0.1	0.2	-	2.6	3.1	3.5	8.4	2.5		18
19	1.9	0.3	14.5	-	0.1	1.5	-	6.8	0.5	-	4.1	8.6		19
20	7.3	-	14.9	-	0.1	2.2	-	0.5	1.9	-	0.3	8.1		20
21	-	-	0.1	0.4	1.9	0.5	-	0.7	1.1	-	5.1	4.6		21
22	0.1	0.7	-	0.3	0.9	-	-	-	-	-	6.3	-		22
23	1.8	-	-	0.5	1.0	5.3	-	0.3	1.7	-	10.9	1.3		23
24	6.6	-	3.4	-	-	2.2	0.6	1.9	1.4	12.9	2.8	0.3		24
25	0.5	0.6	0.1	1.4	4.6	-	30.3	-	-	4.6	0.3	3.3		25
26	0.2	7.5	1.0	0.2	3.4	6.9	1.6	-	-	6.9	-	0.3		26
27	2.6	2.0	-	-	2.5	5.4	7.8	3.7	0.2	1.8	1.3	-		27
28	7.9	0.6	0.5	-	18.5	12.0	0.1	1.1	2.4	·05	2.3	0.5		28
29	4.0	X	0.1	0.7	2.6	2.2	9.8	6.0	-	·03	15.3	1.0		29
30	2.3	✕	-	-	-	-	2.7	-	8.5	-	3.3	0.5		30
31	12.2	✕	0.8	✕	12.7	✕	-	0.3	✕	6.9	✕	20.6		31
TOTAL	104.4	34.1	53.1	7.8	77.4	78.6	81.7	51.1	44.1	152.8	122.6	101.0	908.7	
* Days with 0.2 mm. or more.	25	18	12	8	17	18	18	16	19	24	27	28	230 ✓	
* Days with 1.0 mm. or more.	22	9	8	2	14	14	13	12	14	22	19	18	167 ✓	

(141w) * See Instruction 2 (f) on other side. † Spare column, no entries required, except year's total.

40-9999. 4.11 1.34 2.09 3.1 3.05 3.10 3.22 (Signed) 2.01 1.74 1.01 4.81 3.97 35.76 ✓ [P.T.O.

3.74

COPY FOR OFFICIAL USE ~~72~~

Section **A** for the entry of Daily Observations

Station No. 3580

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Bellingham (High Green)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 8[illegible]9 ft.

T.L. 400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·36	-	·31	-	-	-	·01	·09	·05	·20	·07	·18		1
2	·27	-	-	·02	-	-	·11	·46	·80	-	·21	·02		2
3	-	-	·03	·06	-	-	·10	·12	-	-	·07	·11		3
4	·05	-	·34	·01	-	-	·24	-	·02	·07	·11	-		4
5	-	·19	·09	-	·15	-	·31	·07	-	·23	·40	·24		5
6	·13	·10	·05	-	-	-	·29	·06	-	·02	-	-		6
7	·24	·12	·20	-	·03	-	·15	·08	·02	·04	·02	·03		7
8	·63	·24	·15	1·07	-	-	·09	-	·02	-	·25	·35		8
9	·07	·11	-	-	-	·02	·18	·58	-	1·02	·02	·15		9
10	·02	·01	·05	-	-	·05	-	·35	·12	·15	·02	-		10
11	·15	·15	·35	-	·05	·13	-	·04	·02	·01	·07	·02		11
12	-	·03	-	-	-	-	·10	·01	·11	·68	·04	-		12
13	-	-	·01	·06	·15	·08	·08	-	-	·43	·08	-		13
14	·79	-	·04	·05	·28	·43	·14	-	-	·09	·35	-		14
15	·13	·02	·02	·01	-	·34	-	-	-	·01	·05	·02		15
16	·60	·07	·05	·02	·02	-	-	-	-	-	·01	-		16
17	·53	·07	·01	·07	·03	·04	-	-	-	-	·05	-		17
18	·47	·04	·11	-	-	·11	·01	-	-	·05	·52	-		18
19	·13	-	-	-	·04	·31	-	-	-	-	-	·02		19
20	·01	·01	-	-	·02	·03	-	·10	-	-	-	-		20
21	·06	·15	·06	·13	-	-	-	·04	·01	·02	-	-		21
22	·23	·30	·04	·12	-	-	-	·01	-	·03	·16	-		22
23	·09	·10	-	·33	-	·08	·04	-	-	-	-	-		23
24	·10	·13	·29	·53	-	·05	-	·01	-	-	·02	-		24
25	·20	·03	·08	·02	-	-	-	·02	·01	-	·66	·02		25
26	·14	·01	·06	-	-	-	-	1·02	·07	1·12	·15	-		26
27	·01	·22	1·01	-	-	·31	·10	·01	-	·12	·02	-		27
28	·01	·16	·56	·10	-	·17	·35	-	-	·02	·31	·09		28
29	-	X	·03	-	-	·03	·93	-	-	·44	·14	·03		29
30	·02	✕	-	-	-	·18	·02	·17	·08	·09	·57	-		30
31	-	✕	-	✕	-	✕	·27	-	✕	·08	✕	-		31
TOTAL	5·44	2·26	3·94	2·60	·77	2·36	3·52	3·24	1·33	4·92	4·37	1·28	Year's Total 36·03	
* Days with .01 in. or more.	~~25~~	~~21~~	~~23~~	~~15~~	~~9~~	~~16~~	~~19~~	~~18~~	~~12~~	~~21~~	~~25~~	~~13~~	~~217~~	
* Days with .04 in. or more.	~~20~~	~~15~~	~~18~~	~~10~~	~~5~~	~~13~~	~~16~~	~~13~~	~~6~~	~~15~~	~~19~~	~~6~~	~~156~~	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

73

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3580

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19340

T✓. 150

400

Kept at Bellingham (High Green)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

„ Ground „ Sea Level 849 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	·03	-	·04	·01	-	·01	-	-	-	·02	·08		1
2	·03	-	-	·18	-	-	·08	-	-	-	·71	·12		2
3	·02	·05	-	·11	-	-	·11	-	-	-	-	·01		3
4	-	·39	-	·02	-	-	·04	-	-	·18	-	·09		4
5		-	-	-	·18	-	·04	·03	-	·33	·20	·55		5
6	·09	·03	-	·01	-	-	·06	-	·06	·03	·15	·56		6
7	·11	·10	-	·13	·07	-	·02	·07	·07	·04	-	·02		7
8	-	-	·06	-	-	-	·01	·31	-	·26	·14	·05		8
9	-	-	·30	-	-	-	·58	·11	·03	·30	·28	-		9
10	-	-	·01	-	-	-	·56	·15	·01	-	·10	-		10
11	-	·06	1·09	-	-	-	·95	-	·08	-	·66	-		11
12	-	·01	·65	-	-		-	-	·04	-	-	-		12
13	-	·05	·13	-	-	-	-	·01	·11	-	·13			13
14	-	·11	·04	·10	·01	-	·61	·01	·06	-	-	·19		14
15	·17	-	-	-	·05	-	1.05	-	-	-	·12	·04		15
16	·14	-	·02	-	-	-	·32	-	1·26	·26	-	·06		16
17	-	-	·11	-	-	-	·96	-	·31	·08	·51	·01		17
18	-	·01	·30	·04	-	-	·07	·10	·28	-	·04	·14		18
19	·12	·04	·10	·05	-	-	·14	·01	·21	·01	·23	·05		19
20	-	·04	·11	·28	-	-	·32	·34	-	·09	·11	-		20
21	·05	-	·11	·15	-	·21	·01	-	-	·24	-	-		21
22	-	·02	·09	·01	·17	·17	·06	·02	·32	·18	-	-		22
23	·03	·08	1·0	·31	·03	-	·07	-	-	·25	·15	·01		23
24	·12	·02	·02	·10	·12	-	·04	-	-	·07	-	·03		24
25	-	-	-	-	·16	·06	·61	-	-	·05	-	-		25
26	·24	·06	·08	·03	·50	·02	·75	·12	·05	-	-	-		26
27	·08	·03	-	-	·07	-	·03	-	-	·02	·03	-		27
28	·05	·02	·02	-	·04	-	-	·03	-	-	-	·03		28
29	·02	-	·26	·01	·41	·02	·08	-	-	·03	-	·28		29
30	·18		·04	-	·01	-	-	-	-	·23	-	·43		30
31	·12		·52		·02		-	-		·02		·03		31
TOTAL	1·57	1·15	4·16	1·57	1·85	·48	7·58	1·31	2·89	2·67	3·58	2·78	Year's total 31·59	
* Days with .01 in. or more.	16	18	21	16	15	5	26	13	14	19	16	20	199	
* Days with .04 in. or more.	12	10	14	11	10	3	21	7	12	14	14	13	144	

† Spare column, no entries required.

(Signed) ....

P.T.O.

* See Instruction 3 (f) on other side.

Kielder Viaduct

Section **A** for the entry

AIR MINIS

FORM 1090

REG

Kept at ....KIELDER

in the County of ...Northum

Diameter of Funnel of Gauge...

Height of top of Gauge above

,, Ground ,,

THE MORNING MEASU

An observer who does not confor
year in the space on the right of

3580/2

KIELDER, VIADUCT HOUSE

1940

780702

Station No. ~~3580~~/4

LL ORGANIZATION

3580/2

Oct cord for arith.

April 24-31 estd. f. nearby stnd.

S DAY

following

Jan. 1, following

Date	Jan.	Feb.	Mar.									Dec.	†	Date
	in.	in.	in.									in.		
1				·04	-		·08	-	-	-	-	·22		1
2				·1	-	-	·2	-	-	-	1·1	-		2
3				·28	-	-	-	-	-	-	-	-		3
4		Snow and Hard Frost		·03	-	-	·02	-		-	-	·47		4
5				-	-	-	·05	-	-	·41	·1	1·23		5
6			(1·36)	·05	-	-	·06	-	-	·33	-	·5		6
7				·35	-	-	-	-	-	·44	-	-		7
8				·1	-	-	-	·4	·15	-	-	-		8
9				-	-	-	·67	·74	-	·90	·6	-		9
10				-	-	-	·61	·18	·3	-	·48	-		10
11				-	-	-	·75	-	-	-	·66	-		11
12			·6	-	-	-	-	-	-	-	-	-		12
13			Snow	-	-	-	-		-	-	-	-		13
14			-	·29	-	-	1·64	·1	-	-	-	·5		14
15			·15	-	·22	-	-	-	-	·17	-	-		15
16			-	-	-	-	-	-	1·81	-	-	-		16
17			·3	-	-	-	·29	-	·6	·22	·81	-		17
18			·74	-	-	-	1·	-	·3	·05	-	·1		18
19			·15	·05	-	-	·31	-	·24	·09	·5	-		19
20			·25	·1	-	-	-	·54	-	·05	-	-		20
21			·34	·15		-	-	-	-	·28	-	-		21
22			·16	·25	-	·39	·32	-	-	·05	-	-		22
23			·08	·3	-	·13	·04	-	-	·12	-	-		23
24			·03		-	·1	-	-	-	·05	-	-		24
25			-		-	-	·27	-	-	-	-	-		25
26			-		·9	-	-	-	-	-	·6	-		26
27			-	(·20)	1·5	-	·31	·15	-	·38	-	-		27
28			-		·06	-	-	-	-	-	-	-		28
29			·15		·06	-	-	-	-	-	-	-		29
30		✖	·31		·5	-	-	-	-	-	-	·82		30
31		✖	·6	✖	-	✖	-		✖	-	✖	-		31 (40·31)
TOTAL	(2·90)	(1·70)	5·22 ~~3·86~~	2·34 ~~2·14~~	3·22	·62	6·62	2·11	3·40	3·54 ~~2·73~~	4·85	3·84	Year's Total ~~33·39~~	~~39·45~~
* Days with .01 in. or more.	2												..	Print
* Days with .04 in. or more.	74												..	

N

* See Instruction 3 (f) on other side.

† Spare column, no entries required

(*Signed*) ....L Jones......... [P.T.O.

Kielder Viaduct

Section **A** for the entry

Station No. ~~3580~~/4

3580/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

607683/37

Kept at KIELDER

in the County of Northumberland

Diameter of Funnel of Gauge A in.

Height of top of Gauge above Ground 1A ft. 0 in. X

" Ground " Sea Level 600 ft.

? More Inc

Oct cord for arith.

Jan, Feb, March 1-11 April 24-31 estd fr nearby stnd.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				·09	–		·08	·	–	–	–	·22		1
2				·1	–	–	·2	–	–	–	1·1	·		2
3				·28	–	–	–	–	·	–	–	–		3
4		Snow and Hard Frost		·03	–	–	·02	–	–	·	·	·47		4
5				–	–	–	·05	–	–	·41	·1	1·23		5
6			(1·36)	·05	–	–	·06	–	–	·33	–	·5		6
7				·35	–	–	–	–	–	·44	–	–		7
8				·1	–	–	·	·4	·15	–	–	–		8
9				–	–	–	·67	·74	–	·90	·6	·		9
10				–	–	–	·61	·18	·3	–	·48	·		10
11				–		–	·75	–	–	–	·66	–		11
12			·6	–	–	–	–	–	–	–	–	–		12
13			Snow	–	–	–	–		–	·	–	–		13
14			–	·29	–	–	1·64	·1	–	·	–	·5		14
15			·15	–	·22	–	–	–	–	·17	–	·		15
16			–	–	–	–	–	–	1·81	–	–	–		16
17			·3	–	·	·	·29	–	·6	·22	·81	–		17
18			·74	–	–	–	1·	–	·3	·05	·	·1		18
19			·15	·05	–	–	·31	–	·24	·09	·5	–		19
20			·25	·1	–	–	–	·54	·	·05	·	–		20
21			·34	·15		–	–	·	–	·28	–	–		21
22			·16	·25	–	·39	·32	·	–	·05	·	–		22
23			·08	·3	–	·13	·04	–	–	·12	–	·		23
24			·03		·	·1	·	–	–	·05	–	·		24
25			–		–	·	·27	–	–	–	–	–		25
26			–		·9	·	–	–	–	·	·6	–		26
27			–	(·20)	1·5	·	·31	·15	–	·38	–	–		27
28			–		·05	·	·	·	–	–	–	–		28
29			·15		·06	·	–	·	–	–	·	–		29
30		✕	·31		·5	·	–	·	–	–	–	·82		30
31		✕	·6	✕	–	✕	·		✕	–	✕	·		31
TOTAL	(2·90)	(1·70)	5·22 ~~3·86~~	2·34 ~~2·14~~	3·22	·62	6·62	2·11	3·40	3·54 ~~2·73~~	4·85	3·84	Year's Total ~~33·79~~	40·36 ~~39·65~~
* Days with .01 in. or more.	2												· ·	
* Days with .04 in. or more.	74												· ·	

Print

† Spare column, no entries required

(*Signed*) L. Jones

* See Instruction 3 (f) on other side.

[P.T.O.

Section **A** for the entry
AIR MINIS

FORM 1090

REG

Kept at ......*Kiela*

in the County of .....*North*

Diameter of Funnel of Gauge...

Height of top of Gauge above

,, Ground ,,

THE MORNING MEAS

An observer who does not confor
year in the space on the right of

3580/4

FALSTONE KIELDER

1937 - 39

780702

Station No. 3580/~~A~~ 4

LL ORGANIZATION

June 1937.

S DAY

following

Jan. 1, following

Date	Jan.	Feb.	Mar.								v.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						·05	·16	–	·48	–	·01	·50		1
2						·20	·03	–	·02	–	–	–		2
3						·25	·50	·10	·24	·30	–	·34		3
4						·12	·46	·09	·41	–	–	·50		4
5						·20	·08	–	·46	–	·05	·02		5
6						·11	–	·04	·31	·02	–	·01		6
7						·04	·63	–	·30	·06	·02	·40		7
8						–	·18	–	–	–	–	·06		8
9						·01	·01	–	–	–	–	·20		9
10						·05	·03	·16	–	–	·04	·20		10
11						·12	–	–	–	–	–	·50		11
12						–	·02	·23	·11	–	·02	·40		12
13						·08	·04	·02	–	·01	–	·20		13
14						–	·18	·26	·10	–	–	·35		14
15						–	·25	·05	·16	–	–	·19		15
16						·16	–	·50	·03	–	·05	·12		16
17						·03	–	·02	·30	–	–	·23		17
18						·01	–	·20	–	–	–	·16		18
19						–	–	–	·03	–	·51	–		19
20						·09	–	–	·005	·04	–	–		20
21						–	·82	–	–	·08	·04	·25		21
22						·02	·31	–	–	·02	–	·14		22
23						–	·20	–	–	1·18	·03	·12		23
24						–	·14	–	·15	·15	–	·27		24
25						–	·04	·01	–	·28	–	·36		25
26						–	–	–	–	·20	·03	·15		26
27						–	–	–	–	·10	–	·01		27
28						·12	–	–	·04	·11	–	–		28
29						·03	–	·04	–	·15	·09	·03	nf.	29
30		✕				·07	–	·75	15	·02	·50	·01	imp	30
31		✕		✕		✕	–	·76	✕	·04	✕	–		31
TOTAL						1·76	4·08	3·23	3·295	2·76	1·39	5·72	Year's Total ~~22·23~~	For 7 Months
* Days with .01 in. or more.						19	18	15	16	16	12	26	~~12~~	GB
* Days with .04 in. or more.						14	14	12	13	12	7	21	~~92~~	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) ....A. B. Weir......... [P.T.O.

FORESTRY COM.

Section **A** for the entry

Station No. 3580/~~A~~ 4/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Kielder

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 8 in.

,, Ground ,, Sea Level 657 ft.

Record commenced June 1937.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						·05	·16	–	·48	–	·01	·50		1
2						·20	·03	–	·02	–	–	–		2
3						·25	·50	·10	·24	·30	–	·34		3
4						·12	·46	·09	·41	–	–	·50		4
5						·20	·08	–	·46	–	·05	·02		5
6						·11	–	·04	·31	·02	–	·01		6
7						·04	·63	–	·30	·06	·02	·40		7
8						–	·18	–	–	–	–	·06		8
9						·01	·01	–	–	–	–	·20		9
10						·05	·03	·16	–	–	·04	·20		10
11						·12	–	–	–	–	–	·50		11
12						–	·02	·23	·11	–	·02	·40		12
13						·08	·04	·02	–	·01	–	·20		13
14						–	·18	·26	·10	–	–	·35		14
15						–	·25	·05	·16	–	–	·19		15
16						·16	–	·50	·03	–	·05	·12		16
17						·03	–	·02	·30	–	–	·23		17
18						·01	–	·20	–	–	–	·16		18
19						–	–	–	·03	–	·51	–		19
20						·09	–	–	·005	·04	–	–		20
21						–	·82	–	–	·08	·04	·25		21
22						·02	·31	–	–	·02	–	·14		22
23						–	·20	–	–	1·18	·03	·12		23
24						–	·14	–	·15	·15	–	·27		24
25						–	·04	·01	–	·28	–	·36		25
26						–	–	–	–	·20	·03	·15		26
27						–	–	–	–	·10	–	·01		27
28						·12	–	–	·04	·11	–	–		28
29						·03	–	·04	–	·15	·09	·03	N/P imp	29
30		×				·07	–	·75	15	·02	·50	·01		30
31		×		×		×	–	·76	×	·04	×	–		31
TOTAL						1·76	4·08	3·23	3·295	2·76	1·39	5·72	Year's Total 22·235	For 7 Months
* Days with .01 in. or more.						19	18	15	16	16	12	26	12	GB
* Days with .04 in. or more.						14	14	12	13	12	7	21	92	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) A. B. Weir

[P.T.O.

N

FORESTRY COM.

X FALSTONE (KIELDER) X

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3580/4

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Kielder

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 657 ft.

Comp 1937

8607 883/37

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·44	—	·15	—	·90	—	—	—	—	·62	·25		1
2	·15	·12	—	·20	—	·55	·05	—	·03	·75	·09	·14		2
3	·03	·26	—	·03	—	—	·06	—	—	2·00	·60	—		3
4	·03	·24	—	·03	—	·06	·15	—	·02	·17	·07	·69		4
5	—	—	·03	—	—	·04	·36	·10	·28	·08	·33	—		5
6	·38	—	—	·02	—	·29	·01	—	·04	·75	·46	·03		6
7	·04	·005	—	—	—	·01	·71	·10	·02	·42	1·06	·05		7
8	·13	·29	·03	—	—	·05	·12	—	—	·76	·005	·34		8
9	—	·15	·04	—	·06	·07	·05	—	—	·25	·07	·10		9
10	·10	—	—	—	—	·11	·44	—	·005	·10	—	·11		10
11	·15	·04	—	—	·015	·05	·20	—	—	·25	·10	·04		11
12	·63	·12	—	—	·38	—	·005	·79	—	·70	2·41	·12		12
13	·16	·06	—	—	·07	—	·37	—	·18	·29	·26	—		13
14	·20	·02	—	—	·13	—	—	—	—	·07	·05	·05		14
15	·43	·01	·45	—	·15	—	·31	·20	·06	·42	·06	·30		15
16	·60	·015	·10	—	·40	—	·05	·30	·45	·29	—	·03		16
17	·15	—	·50	—	·03	—	·01	·07	·34	·43	—	·23		17
18	·45	—	·30	—	·005	·05	—	·31	·50	·14	·74	·24		18
19	·25	—	·50	—	·03	·15	—	·39	·04	—	·25	·21		19
20	·85	—	·76	—	—	·09	—	·08	·19	—	—	·20		20
21	·005	—	—	·06	·02	·07	—	—	—	—	·19	·09		21
22	·15	·005	—	·005	·02	·24	—	—	—	—	·31	·30		22
23	·06	—	—	—	·22	·25	—	·03	·10	—	·62	—		23
24	·65	—	·25	—	—	·03	·10	·06	—	·23	·20	—		24
25	·05	·11	·02	—	·28	·81	1·04	—	·13	·13	·07	—		25
26	·02	·37	·05	·005	·84	·92	·04	—	—	·72	·005	—		26
27	·35	·16	—	—	·07	·72	·59	·03	—	·29	·21	·03		27
28	·52	·23	·05	—	1·05	·25	·01	·10	—	—	·20	—		28
29	·03	—	·10	·04	—	·02	1·70	·29	—	—	·30	·15		29
30	·32	✗	·07	—	—	·07	·72	·13	·52	·22	·11	—		30
31	1·19	✗	·10	✗	·33	✗	·02	·03	✗	·60	✗	·04		31
TOTAL	8·075	2·645	3·35	·54	4·10 ~~5·80~~	5·80	7·115	3·01	2·905	10·06	9·39	3·74	Year's Total 60·730	
* Days with ·01 in. or more.	27	17	16	8	17	23	22	16	16	23	25	22	232 ~~228~~	*
* Days with ·04 in. or more.	23	13	13	4	12	20	18	13	12	23	24	19	194	*

Print

6/3/39

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) A. R. Weir

X FORESTRY COMMISSION X

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 35[illegible]/[illegible]

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Kielder

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 657 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·20	–	·67	–	–	–	·22	·16	–	·03	·03	·47		1
2	·24	–	·33	·005	–	–	·11	·76	·95	·18	·16	·20		2
3	–	–	·06	·015	–	–	·04	·21	–	·02	·15	·17		3
4	–	·05	·80	–	–	–	·45	–	·11	–	·10	–		4
5	–	1·42	·26	–	·42	–	·25	–	–	–	·53	·28		5
6	–	·87	·07	–	–	–	·49	·09	·06	·15	·03	–		6
7	·80	·46	·65	–	·33	–	·05	–	·13	·02	·06	·08		7
8	1·35	·60	·12	·21	–	–	·11	·005	·10	·01	·58	·22		8
9	·16	·24	–	·20	–	–	·15	·77	–	1·10	·06	·32		9
10	–	·20	·005	–	–	·10	·005	·45	·44	·42	·05	·03		10
11	·16	·36	·46	–	·03	·19	–	·03	·10	·10	·10	·005		11
12	–	·05	·005	·15	–	–	·10	·01	·18	·40	·11	–		12
13	–	·22	·005	·08	·07	·06	·35	–	–	·35	·42	–		13
14	1·15	–	·04	·15	·50	·42	·16	–	–	·15	·71	–		14
15	·36	·13	·15	·06	·005	·45	·05	–	·02	–	·13	–		15
16	1·21	·20	·08	·15	·04	·005	–	–	–	–	–	–		16
17	·03	·37	·07	·27	·03	·015	·04	–	–	–	·06	–		17
18	·12	–	·005	–	–	·06	·02	–	–	–	·46	–		18
19	·17	–	–	–	·04	·11	–	–	·005	–	–	·02		19
20	·01	·03	·015	–	–	·06	·015	·011	–	–	–	–		20
21	·09	·23	·16	·20	–	–	–	·13	·01	–	·07	–		21
22	·43	·31	–	·05	·01	–	–	–	–	·05	·42	–		22
23	·15	·17	·05	·13	–	·01	·14	–	–	·005	–	–		23
24	–	·39	·20	·20	–	·18	–	–	·01	–	·15	–		24
25	·15	·09	·07	·06	–	·01	–	·05	–	–	1·09	·05		25
26	·01	·03	·09	–	–	–	–	·45	–	1·58	·30	–		26
27	–	·77	·39	·05	–	·44	·12	·08	–	·14	·11	–		27
28	·05	·09	·35	·10	–	·48	1·47	–	–	–	·32	·07		28
29	·10	–	·06	–	–	·02	·49	·02	–	·20	·32	·02		29
30	–	✕	·02	–	–	–	·62	–	–	·07	·78	–		30
31	–	✕	·005	✕	–	✕	·56	–	✕	·10	✕	–		31
TOTAL	6·94	7·28	5·19	2·08	1·475	2·61	6·01	3·226	2·115	5·075	7·30	1·935	Year's Total 51·236	✓
* Days with .01 in. or more.	20	22	23	16	9	15	22	14	11	18	26	12	208	✓
* Days with .04 in. or more.	17	20	21	15	6	11	20	10	8	14	24	9	175	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) A. B. Weir

[P.T.O.

3580/8

FORM 1090. **B** Mo Sur

3580/8

COUNTESS CRAG
1937 — 40

780702

*** The following register of mont &c., is NOT required if daily values are given on the other

nd also the space for

gister should be sent :—

....

....

in Summer..................

Direction from ....gauge..........

Direction from ....gauge..........

RAINFALL IN 193

At Countess Crag

In the County of Northumb

Rain Gauge
- Diameter of Funnel..........5
- *Height of Top above Ground*...1...*ft.*
- *Height of Ground above Sea Level*...1

Month	Total Depth	Greatest Fall in 24 hours		D ·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·87				
FEB.	6·40				
MAR.	5·30				
APRIL	2·41				
MAY	3·91				
JUNE	2·64				
JULY	3·54				
AUG.	5·56				
SEPT.	3·46				
OCT.	3·40				
NOV.	·97				
DEC.	6·45				
TOTAL	49·54				

Distances ...

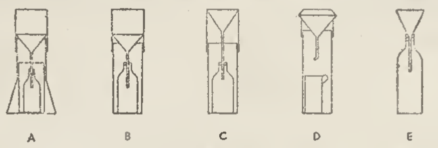
Directions from gauge ...

If gauge has been moved during the year state—

Date of move.................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature

* See Instruction 3 (*f*) below. A. Handcastle Esq., C E

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

N

3580/8

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Countess Crag

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1600 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·87				
FEB.	6·40				
MAR.	5·30				
APRIL	2·41				
MAY	3·91				
JUNE	2·67				
JULY	3·54				
AUG.	5·56				
SEPT.	3·46				
OCT.	3·40				
NOV.	·97				
DEC.	6·45 ✓				
TOTAL	49·54 ✓				

[illegible]

Signature

* See Instruction 3 *(f)* below. A Hardcastle Esq, C.E

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.......................in Summer.........

Nearest Railway Station.......................... Distance.............. Direction from gauge...........

Nearest Parish Church at.......................... Distance.............. Direction from gauge...........

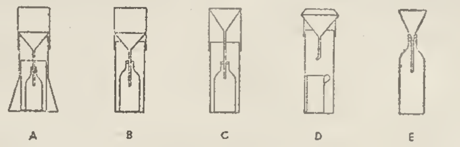
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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N

358/18.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Countess Crag

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5" in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1600 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with 01 in. or more	Number of Days with 04 in. or more
	Inches	Inches	Date	*	*
JAN.	7.11				
FEB.	2.51				
MAR.	4.09				
APRIL	.54				
MAY	3.64				
JUNE	5.90				
JULY	7.58				
AUG.	2.71				
SEPT.	3.37				
OCT.	9.47				
NOV.	8.01				
DEC.	3.50				
TOTAL	58.43				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Newcastle + Gateshead Water Co.
Engineers Office, Pilgrim St, Newcastle

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 17 miles Direction from gauge South East

Nearest ~~Parish~~ Church at Byrness Distance 4 miles Direction from gauge East

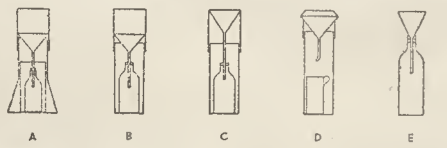
Nature of objects nearest to gauge	Girdle Fell			
Height of objects	1743 feet OD			
Distances ...	½ mile			
Directions from gauge ...	South			

If gauge has been moved during the year state—

Date of move.................................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}{\cdot}14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3580/8

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Countess Crag

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1600 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	7.05 ✓				
FEB.	5.74 ✓				
MAR.	3.78 ✓				
APRIL	2.18 ✓				
MAY	1.84 ✓				
JUNE	4.16 ✓				
JULY	6.11 ✓				
AUG.	5.68 ✓				
SEPT.	2.55 ✓				
OCT.	6.33 ✓				
NOV.	6.99				
DEC.	1.98 ✓				
TOTAL	54.39 ✓				

Signature Arthur Hardcastle

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 14 miles Direction from gauge So east

Nearest Parish Church at Byrness Distance 4 miles Direction from gauge East

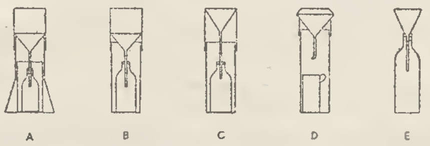
Nature of objects nearest to gauge	Girdle Fell			
Height of objects	1443	OD		
Distances ...	½ miles			
Directions from gauge ...	South			

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
- (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
- (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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January corrected for snow.

3580/8

FORM 1090. **B** Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Countess Crag

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1600 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
(2·50) JAN.	~~·427~~				
FEB.	1·69				
MAR.	5·29				
APRIL	2·36				
MAY	1·91				
JUNE	1·09				
JULY	8·35				
AUG.	2·33				
SEPT.	3·44				
OCT.	4·44				
NOV.	4·85				
DEC.	3·33				
41·91 TOTAL	~~39·83~~				

Signature Arthur [illegible]

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :— ....

Hour of observation by the clock—in Winter.................. in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

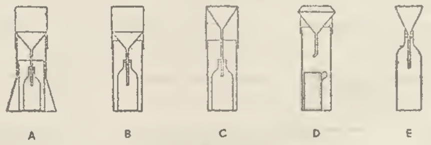
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :— ....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Jan. 1940.

READERS OBSERVATIONS RELATING TO MONTHLY RAIN GAUGES IN THE CATCLEUGH AREA.

The Descrepancy in the reading of the monthly rain gauges as compared with the daily readings is probably due to the long continued frost and strong wind preventing snow from lying in the gauges.

should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail,

of special importance when the total ... in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

January corrected for snow.

3580/8

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Countess Crag

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1600 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
(2·50) JAN.	~~·42~~				
FEB.	1·69 ✓				
MAR.	5·29 ✓				
APRIL	2·36 ✓				
MAY	1·91 ✓				
JUNE	1·09 ✓				
JULY	8·35 ✓				
AUG.	2·33 ✓				
SEPT.	3·44 ✓				
OCT.	4·44 ✓				
NOV.	4·85 ✓				
DEC.	3·33 ✓				
41·91 TOTAL	~~39·83~~ ✓				

Signature Arthur Hardcastle

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

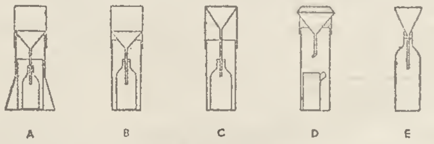
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



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NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

50 REDEWATER (CHATTLE

3580/9

FORM 1090. **B** M S

3580/9

REDEWATER, CHATTLETHORPE
1938 — 40

780702

*** **The following register of mor &c., is NOT required if dail values are given on the othe** **and also the space for**

RAINFALL IN 193

register should be sent:—
ter Company
street, Newcastle

At Chattlehope ~~Whitelee~~

y in Summer Monthly

In the County of Northu

18 miles Direction from gauge South East

2¼ miles Direction from gauge East.

Rain Gauge
Diameter of Funnel
Height of Top above Ground 1 *ft*
Height of Ground above Sea Level 900

Month.	Total Depth.	Greatest Fall in 24 hours.		·01 in. or more *	·04 in. or more *
	Inches	Inches	Date		
JAN.	~~4.12~~	7·28	✓		
FEB.	~~6.10~~	1·71	✓		
MAR.	~~5.10~~	2·80	✓		
APRIL	~~1.73~~	0·37	✓		
MAY	~~2.14~~	2·71	✓		
JUNE	~~1.84~~	4·61	✓		
JULY	~~2.45~~	6·76			
AUG.	~~3.79~~	2.31	✓		
SEPT.	~~3.26~~	2.73	✓		
OCT.	~~3.09~~	8.88	✓		
NOV.		8.42	✓		
DEC.		3.79	✓		
Total		52.37	✓	Print GB 26/4/39	

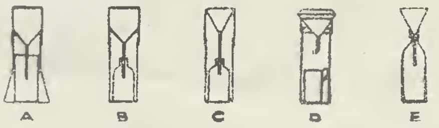
Distances ..	¼ mile		
Directions from gauge ..	North.		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Signature NEWCASTLE & GATESH'D. W. CO.

N

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

50 REDEWATER (CHATTLE

3580/9

FORM 1090.

B Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193~~7~~8

At ~~Whitelee~~ Chattlehope B

In the County of Northumba

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* – *in.*
Height of Ground above Sea Level ~~1000~~ 900 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	~~11.12~~	7·28	✓		
FEB.	~~6.10~~	1·71	✓		
MAR.	~~5.10~~	2·80	✓		
APRIL	~~1.73~~	0·37	✓		
MAY	~~2.11~~	2·71	✓		
JUNE	~~1.84~~	4·61	✓		
JULY	~~2.45~~	6·76			
AUG.	~~7.79~~	2.31	✓		
SEPT.	~~3.26~~	2.73	✓		
OCT.	~~3.09~~	8.88	✓		
NOV.		8.42	✓		
DEC.		3.79	✓		
Total		52.37 ✓		Print GB 26/4/39	

Signature NEWCASTLE & GATESH'D. W. CO.

N

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Newcastle & Gateshead Water Company
Engineer's Office, Pilgrim Street, Newcastle

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 18 ¼ mile Direction from gauge South East

Nearest ~~Parish~~ Church at Byrness Distance 2¼ mile Direction from gauge East.

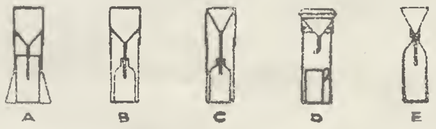
Nature of objects nearest to gauge	Chattlehope Farm			
Height of objects	770 feet	0.8·		
Distances	¼ mile			
Directions from gauge	North.			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

3580/9

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Redewater, Chattlehope

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.58				
FEB.	5.71				
MAR.	4.39				
APRIL	1.87				
MAY	1.34				
JUNE	3.31				
JULY	5.11				
AUG.	3.70				
SEPT.	1.75				
OCT.	6.12				
NOV.	5.51				
DEC.	1.68				
TOTAL	47.07				

Signature Arthur Headlarke

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Newcastle & Gateshead Water Co
Engineers Office, Pilgrim St, Newcastle

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 18 miles Direction from gauge South End

Nearest Parish Church at Byrness Distance 2¼ miles Direction from gauge East

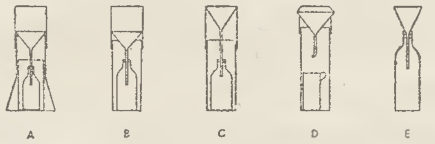
Nature of objects nearest to gauge	Chattlehope Farm			
Height of objects	770 feet O.D.			
Distances ...	¼ mile			
Directions from gauge ...	North			

If gauge has been moved during the year state—

Date of move............ Distance............ Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\begin{matrix}17\\18\end{matrix}\left|\left.\begin{matrix}\\ \\\end{matrix}\right\}\cdot14\right|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

January corrected for snow.

3580/9

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Redewater, Chattlehope

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 900 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN. (2·50)	~~·68~~				
FEB.	1·55				
MAR.	5·23				
APRIL	2·33				
MAY	1·84				
JUNE	·90				
JULY	7·34				
AUG.	1·72				
SEPT.	3·31				
OCT.	4·00				
NOV.	4·82				
DEC.	3·64				
TOTAL 39·21	~~34·39~~				

Signature

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

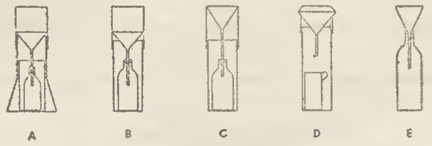
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

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In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM
VALUES FORWARDED MONTHLY

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S.O. Code No. 40-9999

3581

Section **A** for the entry of Daily

AIR MINISTRY.—MET

FORM 1090.

REGISTER

3581 —

REDEWATER- CATCLEUGH

1931 - 1940

780702

AINFALL ORGANIZATION.

FOR OFFICIAL USE.

193/.

Kept at Catcleugh

in the County of Northumb

Diameter of Funnel of Gauge 5 i

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 819 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	-	-	×·34	·05	·08	·02	·05	·02	·84	·17	-	·04	1
2	-	·20	×·01	·53	-	·66	·05	-	·11	·17	·08	·18	2
3	-	·01	×·02	-	-	·12	·10	-	·07	·05	1·62	·75	3
4	·06	×·04	-	·05	·01	·02	·01	-	·40	·03	·02	·12	4
5	-	·01	×·01	-	·32	·09	·06	·04	·01	·07	·01	·85	5
6	-	×·37	×·13	-	·10	·72	·81	·86	·03	·17	·47	·01	6
7	-	·01	×·22	·01	·06	·05	·26	·16	-	·17	·16	·06	7
8	·08	·03	×·19	-	·11	·08	·75	·12	·03	·06	·12	·01	8
9	·01	·33	×·25	·01	·04	·18	·01	·28	-	·60	·27	·02	9
10	-	·02	×·37	-	·12	·49	·26	·03	·02	·01	·11	-	10
11	·03	·66	×·03	·11	·04	·02	·27	-	·11	·05	·02	-	11
12	×·22	·01	·02	-	-	·17	·04	·16	·02	·04	-	-	12
13	-	-	×·27	-	·06	·24	-	·05	-	-	-	·01	13
14	·07	×·08	·01	·02	·07	1·03	·49	·08	-	-	·18	·08	14
15	·01	×·10	-	·24	-	·15	·02	·05	·03	-	·01	-	15
16	·20	×·32	-	·18	-	·04	·24	1·77	·10	-	-	-	16
17	-	×·48	-	·84	-	·08	·30	1·39	-	·02	·11	-	17
18	×·25	×·01	-	·25	-	·61	·07	-	·03	·02	·86	·01	18
19	·03	·14	-	·02	-	·02	·06	·63	·04	·09	-	-	19
20	·03	×·15	·03	-	-	·01	-	·72	·02	-	·09	·03	20
21	·29	×·04	·02	·20	-	·04	·03	·37	-	-	·02	-	21
22	·49	·03	·01	·16	·05	·02	·63	-	·01	-	·04	·01	22
23	·33	·01	·01	·17	·12	·35	·05	·02	·02	*·41	1·18	·13	23
24	·04	·02	-	·19	·30	-	·06	·01	·01	·04	·40	·10	24
25	-	·04	-	·66	·01	-	·16	-	-	-	·02	-	25
26	-	-	-	·12	-	·02	·05	-	-	-	·52	-	26
27	·08	·04	·07	·29	-	-	·20	-	-	·40	·39	·08	27
28	·26	×·02	·01	·09	·59	-	·02	-	-	-	·02	*·02	28
29	×·19	×	×·10	-	·03	-	·03	-	·01	·40	·04	*·11	29
30	×·01	×	·02	·01	·16	-	-	-	·16	-	-	-	30
31	×·54	×	-	×	·27	×	·06	·01	×	-	×	·06	31
TOTAL	3·22	3·17	2·14	4·20	2·54	5·23	5·14	6·77	2·04	2·97	6·76	2·68	YEAR'S TOTAL 46·89
*Days with ·01 in. or more.	~~20~~	~~25~~	~~21~~	~~27~~	~~19~~	~~24~~	~~28~~	~~19~~	~~20~~	~~19~~	~~24~~	~~20~~	~~260~~
*Days with ·04 in. or more.	~~14~~	~~14~~	~~9~~	~~16~~	~~16~~	~~17~~	~~22~~	~~14~~	~~8~~	~~15~~	~~17~~	~~17~~	~~174~~

40-9999

× melted snow

*See Instruction 2 (*f*) on other side.

* partly melted snow

(Signed)

[P.T.O.

3581

Section A for the entry of Daily

FOR OFFICIAL USE.

AIR MINISTRY.—ME OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Catcleugh

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 819 ft.

dafr

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	-	-	×·34	·05	·08	·02	·05	·02	·84	·17	-	·04	1
2	-	·20	×·01	·53	-	·66	·05	-	·11	·17	·08	·18	2
3	-	·01	×·02	-	-	·12	·10	-	·07	·05	1·62	·75	3
4	·06	×·04	-	·05	·01	·02	·01	-	·40	·03	·02	·12	4
5	-	·01	×·01	-	·32	·09	·06	·04	·01	·07	·01	·85	5
6	-	×·37	×·13	-	·10	·72	·81	·86	·03	·17	·47	·01	6
7	-	·01	×·22	·01	·06	·05	·26	·16	-	·17	·16	·06	7
8	·08	·03	×·19	-	·11	·08	·75	·12	·03	·06	·12	·01	8
9	·01	·33	×·25	·01	·04	·18	·01	·28	-	·60	·27	·02	9
10	-	·02	×·37	-	·12	·49	·26	·03	·02	·01	·11	-	10
11	·03	·66	×·03	·11	·04	·02	·27	-	·11	·05	·02	-	11
12	×·22	·01	·02	-	-	·17	·04	·16	·02	·04	-	-	12
13	-	-	×·27	-	·06	·24	-	·05	-	-	-	·01	13
14	·07	×·08	·01	·02	·07	1·03	·49	·08	-	-	·18	·08	14
15	·01	×·10	-	·24	-	·15	·02	·05	·03	-	·01	-	15
16	·20	×·32	-	·18	-	·04	·24	1·77	·10	-	-	-	16
17	-	×·48	-	·84	-	·08	·30	1·39	-	·02	·11	-	17
18	×·25	×·01	-	·25	-	·61	·07	-	·03	·02	·86	·01	18
19	·03	·14	-	·02	-	·02	·06	·63	·04	·09	-	-	19
20	·03	×·15	·03	-	-	·01	-	·72	·02	-	·09	·03	20
21	·29	×·04	·02	·20	-	·04	·03	·37	-	-	·02	-	21
22	·49	·03	·01	·16	·05	·02	·63	-	·01	-	·04	·01	22
23	·33	·01	·01	·17	·12	·35	·05	·02	·02	*·41	1·18	·13	23
24	·04	·02	-	·19	·30	-	·06	·01	·01	·04	·40	·10	24
25	-	·04	-	·66	·01	-	·16	-	-	-	·02	-	25
26	-	-	-	·12	-	·02	·05	-	-	-	·52	-	26
27	·08	·04	·07	·29	-	-	·20	-	-	·40	·39	·08	27
28	·26	×·02	·01	·09	·59	-	·02	-	-	-	·02	×·02	28
29	×·19	X	×·10	-	·03	-	·03	-	·01	·40	·04	×·11	29
30	×·01	X	·02	·01	·16	-	-	-	·16	-	-	-	30
31	×·54	X	-	X	·27	X	·06	·01	X	-	X	·06	31
TOTAL	3·22	3·17	2·14	4·20	2·54	5·23	5·14	6·77	2·07	2·97	6·76	2·68	YEAR'S TOTAL 46·89
*Days with ·01 in. or more.	20	25	21	27	19	24	28	19	20	19	24	20	260
*Days with ·04 in. or more.	14	14	9	16	16	17	22	14	8	15	17	17	174

40-9999

× Melted snow.

*See Instruction 2 (*f*) on other side.

* partly melted snow

(*Signed*) Arthur J

[P.T.O.

3581

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Catcleugh

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 819 ft.

NEWCASTLE & GATESHEAD WATER WORKS. ARTHUR HARDCASTLE ENGINEER

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·12	-	-	·14	-	-	·01	·01	·31	·09	·15	·37	1
2	·34	-	-	·02	·04	-	·30	-	·25	·41	·09	·35	2
3	·23	·01	-	·04	-	·01	·16	·01	·46	·04	·09	·06	3
4	·12	·01	·10	·01	·29	·02	·68	·02	·04	·01	·01	·04	4
5	·15	-	·29	·07	·15	-	·01	-	·25	·01	-	·02	5
6	·09	-	·10	·13	·11	-	-	·01	·21	·10	-	·07	6
7	·01	-	·32	·04	·02	-	-	-	·30	·49	-	-	7
8	×·01	·05	×·01	·20	·16	-	-	-	·36	·86	·03	-	8
9	·84	×·17	-	1·05	·04	-	-	-	·06	·23	·01	·07	9
10	·03	×·07	×·13	·36	·01	-	·05	-	·35	·63	-	·05	10
11	·01	×·13	-	·03	·34	·14	·13	-	·03	-	·01	-	11
12	·18	·03	-	-	·26	-	·01	·12	-	·36	·08	-	12
13	·08	·18	-	·40	·06	-	·36	·02	·22	·03	-	·07	13
14	·13	-	·01	·06	-	-	-	-	-	·07	·01	·10	14
15	·56	-	-	·06	·33	-	-	-	-	·07	·10	·34	15
16	·78	-	·01	-	·02	-	·01	·01	-	·07	·02	1·28	16
17	·02	-	-	·03	·01	-	·23	·06	·02	·56	·01	·59	17
18	·02	-	·01	-	·35	-	-	-	-	-	-	·26	18
19	·01	·05	·16	·16	·06	-	-	-	-	·15	-	·04	19
20	·10	-	·20	·04	·01	-	·02	·34	-	·26	·02	·12	20
21	·06	-	·49	·06	·16	-	·02	·17	-	·93	·02	·15	21
22	-	-	·90	·37	·04	-	·05	-	-	·23	·49	·22	22
23	·01	·23	-	·25	-	-	·17	-	·05	·01	·04	·06	23
24	·02	·07	·07	·02	·02	-	·05	-	·70	-	-	·01	24
25	-	·07	-	·02	·23	·02	-	·03	·16	·30	·15	-	25
26	-	·01	·03	-	·05	·01	·53	·01	·88	·08	·10	·01	26
27	-	·02	·36	·19	·02	·25	·38	-	-	·50	·01	·03	27
28	-	·01	·09	·34	·15	·25	·01	-	-	·40	·03	·05	28
29	·01	-	·66	·03	·18	·08	·26	·47	·02	·25	·19	·05	29
30	-	✕	·18	-	-	·62	·04	·13	1·47	·38	·04	-	30
31	·01	✕	·03	✕	-	✕	·06	·03	✕	·01	✕	·06	31
TOTAL	3·97	1·11	4·15	4·12	3·11	1·40	3·54	1·44	6·14	7·53	1·70	4·47	YEAR'S TOTAL 42·68
*Days with ·01 in. or more.	~~25~~	~~15~~	~~20~~	~~25~~	~~25~~	~~9~~	~~22~~	~~15~~	~~19~~	~~28~~	~~22~~	~~35~~	250
*Days with ·04 in. or more.	~~14~~	~~9~~	~~14~~	~~18~~	~~18~~	~~5~~	~~15~~	~~6~~	~~16~~	~~23~~	~~11~~	~~21~~	170

40-9999

× Melted snow.

*See Instruction 2 (*f*) on other side.

(Signed) Arthur Hardcastle.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Catcleugh

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 819 ft.

Days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·16	·16	·01	–	·01	·03	–	–	–	·01	·17	–	1
2	·60	·01	·15	·02	–	·43	–	–	–	·01	·21	·02	2
3	·21	·07	·15	·05	·25	–	–	–	–	·01	·80	–	3
4	·36	·41	·11	–	·19	–	–	–	–	–	–	·02	4
5	·10	·20	·30	–	·07	–	–	–	–	–	·03	·01	5
6	·02	·19	·08	·02	·03	–	–	·03	–	–	·03	·10	6
7	·12	·28	·01	–	·05	–	·07	–	–	·90	–	·05	7
8	·02	·03	·04	·15	·09	·10	–	·08	–	·01	–	·08	8
9	–	·58	·01	·01	·01	·02	·14	–	–	·43	·07	·07	9
10	·09	×·03	–	–	·02	·12	·15	–	–	·01	·04	·03	10
11	–	–	–	·02	·07	·02	·09	·05	–	·03	–	·10	11
12	·01	–	–	–	·01	·04	·02	–	–	·01	–	·14	12
13	–	–	·04	–	·13	–	·60	·01	·02	·08	·07	·03	13
14	·35	–	·10	–	·10	–	1·35	·01	–	·08	·17	·16	14
15	·03	–	·15	·02	–	·04	·11	·06	–	·23	·31	·03	15
16	×·03	–	·10	·08	·22	·11	·03	·04	–	–	·19	–	16
17	×·06	×·03	·01	·08	·03	·28	·01	·21	·21	·01	·50	–	17
18	–	×·70	·09	·18	·01	·38	·01	·13	–	–	·51	·01	18
19	–	×·13	·03	·05	–	·15	–	·04	·29	–	·20	–	19
20	–	×·04	–	·03	·17	·07	–	·02	·26	·07	·01	–	20
21	–	×·01	–	·03	·02	·01	–	·41	·20	·28	·05	–	21
22	–	–	–	–	–	–	–	·03	·07	·38	·02	·01	22
23	–	×·03	–	–	·05	·08	–	·10	·05	·01	·03	–	23
24	–	×·39	–	·36	·07	·06	·21	–	·21	·10	·08	·04	24
25	–	×1·05	–	·20	–	·03	·04	·02	·04	·26	–	–	25
26	–	×·79	–	·15	·04	–	–	–	·04	·08	·01	·05	26
27	–	·28	–	·01	·04	–	·93	–	–	·04	·13	·03	27
28	–	·01	–	–	–	–	·17	·57	·02	1·07	·03	·11	28
29	–	✕	·10	·12	–	–	·29	·02	–	·75	–	·03	29
30	×·05	✕	·04	·04	–	·03	·27	·02	·02	·03	–	·19	30
31	·94	✕	·01	✕	–	✕	·04	·09	✕	–	✕	·03	31
TOTAL	3·15	5·42	1·53	1·62	1·68	2·00	4·53	1·94	1·43	4·89	3·66	1·34	YEAR'S TOTAL 33·19
*Days with ·01 in. or more.	~~16~~	~~21~~	~~19~~	~~19~~	~~22~~	~~18~~	~~18~~	~~19~~	~~12~~	~~24~~	~~22~~	~~22~~	~~232~~
*Days with .04 in. or more.	~~11~~	~~11~~	~~13~~	~~11~~	~~14~~	~~12~~	~~14~~	~~11~~	~~9~~	~~14~~	~~15~~	~~11~~	~~149~~

40-9999 × Melted snow

*See Instruction 2 (*f*) on other side.

(*Signed*)

P.T.O.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Catcleugh

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 819 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	·01	·08	·01	·01	-	-	·14	·10	-	-	·02		1
2	·01	·01	·27	·05	-	-	-	·34	·20	-	·11	·41		2
3	·17	·05	·01	·01	-	-	-	·04	·02	·15	·18	·10		3
4	·16	-	·11	·05	-	-	-	·04	·01	·22	·14	·46		4
5	·11	-	·40	·06	·26	-	-	-	·03	·26	× ·86	·04		5
6	·34	-	·04	·05	·52	·06	-	·69	·15	·65	·04	·13		6
7	·27	·23	·01	× ·25	·04	·03	-	-	·02	·13	-	·27		7
8	-	-	·12	-	·07	·01	-	·04	·04	·26	-	·12		8
9	·06	·01	·01	·32	-	-		·08	·05	·10	·50	·05		9
10	·16	-	·38	·26	-	-	-	·70	·02	·01	·75	·02		10
11	·17	-	1·35	·71	·01	-	-	·07	·01	·03	·12	·15		11
12	·08	-	1·38	·53	·08	-	1·45	·96	-	·01	·14	·30		12
13	·36	-	× ·15	·05	·05	·16	·62	·07	-	·16	-	·04		13
14	·75	-	× ·34	·01	·04	·03	·18	·01	-	·08	·09	·20		14
15	·01	-	·05	·07	·56	·01	·01	·05	·03	1·00	·15	·36		15
16	·22	-	·43	-	·25	-	-	-	-	·03	·13	·01		16
17	·45	-	·06	·01	·10	-	·52	-	·35	·08	·06	·33		17
18	·38	-	·04	·12	·02	·12	·01	·11	·06	·01	-	·20		18
19	-	-	·09	·50	·58	·06	·06	-	·06	·06	·01	·05		19
20	·01	-	·04	·04	·11	·03	·02	·58	-	·05	·01	·02		20
21	·01	·01	-	·03	·01	·76	·08	·13	·04	·16	·01	·01		21
22	·01	-	·01	·02	·01	·66	·11	·44	·39	·10	·04	·04		22
23	·03	-	·03	·23	-	·01	·17	·02	·01	·16	·03	·13		23
24	-	·03	·01	·06	·04	·04	·01	-	·05	·65	-	·06		24
25	·09	·05	·05	·08	·01	·01	-	-	·34	·83	·02	·79		25
26	·13	-	·04	·33	-	·12	·14	-	·34	·99	·02	·14		26
27	-	× ·05	-	·95	-	·09	·02	-	·13	·53	-	·16		27
28	-	-	·01	·34	-	·21	-	·44	·02	·11	-	·20		28
29	-	×	× ·20	·01	-	-	·18	·71	·28	·38	-	·06		29
30	·15	×	·02	-	-	-	·01	·01	·67	1·52	-	·18		30
31	·11	×	·01	×	-	×	·01	-	×	-	×	·14		31
TOTAL	4·30	·45	5·74	5·18	2·77	2·41	3·60	5·67	3·42	8·72	3·41	5·19	Year's Total 50·86	
*Days with ·01 in. or more.	~~25~~	~~9~~	~~29~~	~~27~~	~~19~~	~~17~~	~~17~~	~~21~~	~~25~~	~~28~~	~~20~~	~~31~~	~~268~~	
*Days with ·04 in. or more.	~~19~~	~~4~~	~~20~~	~~20~~	~~13~~	~~10~~	~~10~~	~~18~~	~~16~~	~~23~~	~~11~~	~~26~~	~~163~~	

40-9999

× Melted snow.

† Spare column, no entries required.

(Signed) Arthur Hardcastle

*See Instruction 2 (*f*) on other side.

P.T.O.

Section **A**

COPY FOR OFFICIAL USE.

for the entry of Daily Observations. Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Catcleugh

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft - in.

,, Ground ,, Sea Level 819 ft.

Dry

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·56	·04	·18	·04	-	-	·48	-	·35	·02	·01	·17		1
2	·01	-	·18	·06	-	·10	·07	-	·19	·84	·21	-		2
3	-	·09	·24	× ·20	-	·21	·04	-	·08	·02	·26	-		3
4	-	-	·18	-	-	·82	·03	-	-	·21	·06	-		4
5	·26	·15	·06	× ·06	-	·75	·03	-	·08	·10	·02	-		5
6	·21	·03	·01	-	-	·27	-	-	-	·48	·01	-		6
7	× ·20	-	-	·34	-	·45	-	-	-	·16	·02	-		7
8	-	-	-	·20	-	·13	-	-	-	·03	·04	·01		8
9	× ·06	·04	-	·55	-	·02	-	-	-	·37	·35	·11		9
10	·12	·14	-	·76	-	·12	-	·01	-	·32	·33	-		10
11	·62	·16	-	·17	-	·17	-	·72	·01	·04	·03	·07		11
12	-	·15	-	-	-	·07	-	-	·17	-	·01	·02		12
13	× ·07	·06	-	·06	·25	·12	·06	-	·18	·30	·02	·02		13
14	-	·02	·04	·02	·01	·02	·01	-	·15	-	·24	·15		14
15	-	·33	-	·15	·44	·01	-	·03	·45	·24	·12	·14		15
16	-	·71	·04	·78	× ·55	·03	·13	·25	1·31	·01	·16	·07		16
17	-	·06	·02	·25	·12	·08	-	·05	·08	·20	·93	·20		17
18	·02	·35	-	·03	-	·04	·27	-	·33	·70	·25	× ·02		18
19	-	·38	·02	·09	-	·17	·46	-	·15	·03	·04	-		19
20	·02	·60	-	·30	-	·07	·01	-	-	-	·04	-		20
21	-	·02	·05	·06	-	·06	-	-	·14	·30	·20	-		21
22	-	·27	·33	·25	-	-	-	-	·17	-	·05	-		22
23	·04	-	·03	·04	-	-	-	·12	-	·17	-	·		23
24	·26	·65	·06	·06	-	-	-	-	·14	·05	-	·28		24
25	·13	·09	·08	·01	-	-	-	·03	-	·01	·47	·21		25
26	-	-	-	-	-	·11	·05	1·43	·26	·06	·03	·37		26
27	-	·08	-	-	-	-	·03	·03	·06	·04	·08	·05		27
28	× ·02	·07	·01	·02	-	-	-	·01	·18	·29	·11	-		28
29	-	×	·20	-	-	·01	-	·05	·06	·27	·06	·30		29
30	-	×	·03	·01	-	·43	-	1·30	·54	1·15	1·03	·01		30
31	·06	×	·01	×	-	×	-	-	×	·27	×	·28		31
TOTAL	2·66	4·49	1·77	4·51	1·37	4·26	1·67	4·03	5·08	6·68	5·18	2·48	Year's Total 44.18	
* Days with .01 in. or more.	~~16~~	~~22~~	~~19~~	~~24~~	~~5~~	~~23~~	~~13~~	~~13~~	~~21~~	~~27~~	~~28~~	18	228 ✓	
* Days with .04 in. or more.	~~12~~	~~19~~	~~12~~	~~19~~	~~4~~	~~18~~	~~8~~	~~7~~	~~20~~	~~21~~	~~20~~	~~13~~	173 ✓	

40-9999

× Melted snow

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle.

* See Instruction 2 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Redewater 1 (Catcleugh)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 819 ft.

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·30	·40	1·22	-	-	·02	1·16	·53	·27	-	·04	-	1
2	·10	× ·06	·12	-	-	·10	·12	·13	·15	-	·04	·04	2
3	·07	-	-	-	-	·87	·16	·03	·19	-	·01	·12	3
4	·47	-	·05	-	·01	·05	·02	·37	·24	-	·27	·04	4
5	·40	-	·02	-	·01	-	-	·01	·02	-	·20	·02	5
6	·37	-	-	·03	·01	-	·60	·28	·45	-	·19	-	6
7	·03	-	·05	-	-	-	·03	-	·03	-	·33	·04	7
8	·27	-	·10	-	-	-	·03	-	-	·06	·20	-	8
9	1·27	-	·86	-	-	-	·02	-	·18	·08	·25	·01	9
10	·48	-	·01	·10	-	·01	-	-	·04	·02	·04	-	10
11	-	-	-	·29	-	·15	·12	·25	·02	·01	·44	·10	11
12	·02	-	-	·20	·02	·04	·06	·12	·82	-	·90	·02	12
13	-	-	-	·33	-	·01	·26	-	-	·15	·10	·84	13
14	-	-	-	·54	-	·04	·02	·14	1·09	·02	·11	·27	14
15	-	-	·01	·67	·07	·06	-	·06	·04	-	·24	·10	15
16	·04	-	·01	·05	-	·20	·01	-	-	·07	·27	·03	16
17	·25	·32	-	·02	·73	-	·10	·04	-	·20	·98	·48	17
18	-	·31	-	·01	-	-	·07	·07	·04	·26	·08	·18	18
19	·47	·20	·01	-	-	-	·12	·04	-	·05	·01	·11	19
20	× ·35	·33	·07	× ·04	·01	-	·13	·01	-	·02	-	·23	20
21	·12	·27	·16	× ·07	·01	-	·37	-	-	-	-	·20	21
22	-	·17	·02	·01	·12	·09	·12	-	-	·01	-	·01	22
23	-	·05	·13	·20	·03	-	·48	-	-	·02	-	-	23
24	·03	·15	-	·06	·18	-	·67	-	1·03	·78	-	-	24
25	·55	·02	·04	·06	·01	-	·13	-	·25	·25	-	-	25
26	·10	·14	·21	·05	-	-	·03	-	·22	·56	-	-	26
27	·19	·13	·24	-	-	-	·21	-	·35	·06	·09	-	27
28	·12	·73	·08	·03	-	-	·62	-	-	-	·02	-	28
29	·45	1·27	·42	-	·47	·95	·20	-	·02	·20	·01	·07	29
30	·02	✕	·18	-	·01	·12	·27	-	·01	·13	-	·27	30
31	·10	✕	·20	✕	·09	✕	·01	-	✕	-	✕	·23	31
TOTAL	6.57 ✓	4.55 ✓	4.21 ✓	2.76 ✓	1.78 ✓	2.71 ✓	6.14 ✓	2.08 ✓	5.46 ✓	2.95 ✓	4.82 ✓	3.41 ✓	YEAR'S TOTAL 47.44 ✓
*Days with ·01 in. or more.	~~24~~	~~15~~	~~22~~	~~18~~	~~15~~	~~14~~	~~28~~	~~11~~	~~20~~	~~19~~	~~22~~	~~21~~	~~232~~
*Days with .04 in. or more.	~~20~~	~~14~~	~~16~~	~~13~~	~~6~~	~~11~~	~~20~~	~~11~~	~~15~~	~~13~~	~~18~~	~~16~~	~~173~~

40-9999

× Melted snow.

*See Instruction 2 (*f*) on other side.

(Signed) Arthur Hardcastle.

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Redewater (Catcleugh)
in the County of Northumb'd
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. – in.
,, Ground ,, Sea Level 819 ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·23	·06	1·15	·02	–	·03	·07	–	·57	·26	·02	·01		1
2	·22	·48	·04	·02	–	·11	·01	–	·06	·01	–	·46		2
3	·12	·60	–	·03	·54	·16	·58	–	·09	–	–	·12		3
4	·60	·03	·07	·03	·03	·17	·30	·10	·32	–	–	·07		4
5	·23	–	× ·12	·02	·19	·11	·09	–	·40	–	–	× ·35		5
6	·05	·01	× ·11	·14	·03	·06	·01	·05	·17	·04	·14	× ·05		6
7	·02	·25	× ·17	·31	·10	–	·14	–	·18	·04	·10	× ·95		7
8	·01	·28	–	·05	–	·03	·17	–	–	·02	·05	× ·39		8
9	·03	·06	–	·32	–	·01	·06	·11	–	–	·01	× ·02		9
10	–	·02	× ·07	·32	·09	·02	·29	–	–	–	–	× ·30		10
11	·01	–	× ·70	–	–	·19	–	–	–	–	–	× ·70		11
12	1·03	× ·32	× ·49	·	–	–	–	·01	·10	–	·03	× ·16		12
13	–	·08	× ·34	·23	·04	·12	·01	·09	·02	–	–	× ·63		13
14	–	·03	× ·13	–	·03	·07	·08	·48	·02	·02	·03	× ·77		14
15	·20	·85	× ·03	·26	–	·01	·28	–	·11	–	–	·27		15
16	·08	·15	× ·44	·45	–	·15	–	·44	·13	–	–	× ·63		16
17	·10	·05	·30	·03	·03	·06	–	·02	·55	–	–	·05		17
18	·01	·09	·03	·12	·05	·11	–	·15	·01	–	·10	–		18
19	–	·12	–	·06	–	·12	–	·04	·03	–	·36	–		19
20	·21	–	·10	·08	·70	·14	·04	–	·09	·04	–	× ·07		20
21	·18	–	× ·06	·05	·63	·06	·40	–	–	·04	–	·10		21
22	·05	–	× ·43	·02	·38	·01	·20	–	–	·04	–	·27		22
23	·22	–	·02	·02	·08	–	·03	–	·02	1·07	–	·04		23
24	·26	·08	·01	–	·03	–	·24	–	·07	·09	–	·13		24
25	× ·12	× ·28	–	–	–	–	·01	·04	–	·24	·01	–		25
26	× ·04	·22	·02	–	·51	–	–	–	·01	·05	·02	–		26
27	·02	× 1·63	·03	·10	–	–	·01	–	·03	·27	·04	·07		27
28	× ·30	·13	·01	–	–	·04	–	–	–	·22	·01	·03		28
29	× ·37	×	–	–	–	·01	–	·38	–	·19	·03	·05		29
30	× ·47	×	–	–	·05	·10	–	2·06	·11	·05	·10	·04		30
31	·36	×	–	×	·04	×	–	·38	×	·18	×	·03		31
TOTAL	5·54	5·82	4·87	2·68	3·55	1·89	3·02	4·35	3·09	2·87	1·05	6·41	Year's Total 45·44.	
* Days with .01 in. or more.	~~24~~	~~22~~	~~23~~	~~21~~	~~18~~	~~23~~	~~20~~	~~14~~	~~21~~	~~18~~	~~15~~	~~24~~	249	
* Days with .04 in. or more.	~~21~~	~~18~~	~~16~~	~~13~~	~~13~~	~~16~~	~~14~~	~~12~~	~~14~~	~~15~~	[illegible]	~~22~~	18	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) [P.T.O.

× Melted Snow.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Redewater, Catcleugh

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 819 ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	·48	-	·01	-	·90	·08	-	·02	-	·45	·11		1
2	·05	·04	-	·19	-	1·17	·07	-	·13	·63	·26	·08		2
3	·07	·18	-	-	-	·03	·02	-	·38	1·89	·34	-		3
4	·09	·07	-	·02	-	·05	·10	-	-	·08	·01	·52		4
5	-	·14	·02	-	-	·02	·11	·15	·05	·07	·01	·01		5
6	·19	-	-	-	-	·21	·11	-	·02	·41	·14	·01		6
7	·01	-	-	-	-	·01	·60	·12	·05	·32	·41	·10		7
8	·05	·08	·03	-	-	·05	·13	-	-	·63	·84	·01		8
9	·33	·16	·01	-	·08	·05	·10	-	-	·15	·02	·38		9
10	-	·02	-	-	-	·17	·05	-	·02	·03	·01	·07		10
11	·06	-	-	-	-	·03	·22	-	-	·12	·12	·12		11
12	·59	×·01	-	-	·18	-	-	·69	-	·43	1·92	·04		12
13	·13	×·27	-	-	·05	-	·05	·05	·18	·15	·20	·04		13
14	·54	×·03	-	-	·15	-	·01	-	-	·06	-	·11		14
15	·39	·03	·19	-	·08	-	·23	·15	·02	·30	-	·69		15
16	·60	·02	·05	-	·04	-	·02	·10	·17	·16	·06	·19		16
17	-	-	·04	-	·15	-	·01	·07	·47	·46	·04	·06		17
18	·27	-	·27	-	·01	·05	-	·18	·19	·13	·48	·08		18
19	·04	·01	·45	-	·06	·10	-	·35	·02	-	·14	·30		19
20	·37	-	·73	-	·01	·03	-	·07	·09	-	-	·38		20
21	-	-	·02	·05	·07	·03	-	·12	·03	-	·10	·27		21
22	·03	·03	-	·02	·04	-	-	-	-	-	·27	·65		22
23	·14	-	-	·02	·04	·25	-	-	·01	-	·62	·05		23
24	·37	-	·09	·03	-	·08	·59	·13	·15	·34	·25	-		24
25	·10	·04	·02	-	·28	·01	1·46	·02	-	·19	·09	·38		25
26	·03	·45	·04	·01	·17	·31	·09	-	-	·66	·01	·01		26
27	·17	·08	-	·02	·09	·64	·58	·05	·02	·24	·08	—		27
28	·37	·14	·03	-	·89	·78	·03	-	·08	·01	·17	·02		28
29	·05	✕	·05	·13	·06	·02	·76	·18	-	·04	·23	·05		29
30	·15	✕	·04	·01	·01	·10	·54	·08	·47	-	·30	·02		30
31	·85	✕	·03	✕	·40	✕	-	·02	✕	·26	✕	·40		31
TOTAL	6·04	2·28	2·11	·51	2·86	5·09	5·96	2·53	2·57	7·76	7·60	5·15	Year's Total 50.46	
* Days with .01 in. or more.	~~26~~	~~19~~	~~17~~	~~11~~	~~20~~	~~23~~	~~23~~	~~17~~	~~20~~	~~24~~	~~27~~	~~28~~	~~255~~	
* Days with .04 in. or more.	~~23~~	~~12~~	~~10~~	~~3~~	~~17~~	~~15~~	~~18~~	~~15~~	~~12~~	~~22~~	~~22~~	~~22~~	~~191~~	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

× Melted snow

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

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Kept at Redewater, Catcleugh

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Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 819 ft.

[illegible]ING FORM.
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Jan. 1, following

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Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·76	-	·68	-	-	-	·01	·07	·01	·34	·05	·29		1
2	·30	-	·20	·02	-	-	·06	·47	1·03	·03	·14	·03		2
3	-	-	·08	·05	-	-	·01	·37	·15	-	·11	·19		3
4	× ·11	·01	·36	·02	-	-	·11	-	·02	-	·15	× ·01		4
5	-	·54	·21	-	·30	-	·48	·04	-	·36	·81	·60		5
6	× ·20	·20	·08	-	·21	-	·49	·02	-	·03	·03	-		6
7	·32	·25	·22	-	·19	-	·07	·11	·02	·15	·07	·05		7
8	·72	·48	·42	·09	-	-	·06	·50	·04	·01	·35	·41		8
9	·10	·10	-	·03	-	-	·36	·61	·01	1·66	·27	·24		9
10	-	·10	·03	-	-	·10	-	·23	·27	·33	·02	·03		10
11	·13	·40	·54	-	·08	·21	-	·10	·15	·03	-	·01		11
12	-	·10	-	·05	-	-	·08	-	·10	·67	·11	-		12
13	·09	-	·03	·11	·25	·08	·20	-	·06	·45	·12	-		13
14	1·21	-	·10	·24	·33	·51	·18	-	·01	·37	·37	-		14
15	·19	·08	·02	·19	·04	·31	·01	-	·01	·02	·01	·05		15
16	1·14	·08	·12	·05	·10	·01	·01	-	-	-	·03	·01		16
17	·41	·25	·02	·07	·09	·02	-	-	-	-	·04	-		17
18	·28	·07	·09	-	·01	·29	·03	-	-	·05	·42	-		18
19	·17	-	·02	-	·03	·30	-	-	-	·01	-	·02		19
20	·02	-	·01	-	·02	·10	-	·03	-	-	-	-		20
21	·13	·53	·11	·21	·02	-	-	·07	·04	-	-	-		21
22	·44	·28	·04	·21	-	-	·02	-	-	·04	·24	·01		22
23	·13	·18	·08	·22	-	·05	·03	-	·04	·03	·01	-		23
24	× ·03	·37	·18	·26	-	·09	-	-	·01	-	·03	-		24
25	·21	·02	·13	·26	-	-	-	·01	-	× ·01	·86	·03		25
26	·20	× ·08	·11	·04	-	-	-	1·07	·02	1·65	·60	-		26
27	× ·04	·64	·70	·06	-	·51	·12	·01	·03	·37	·17	-		27
28	·01	·12	·38	·13	-	·53	·83	-	-	·05	·25	× ·08		28
29	·02	✕	·14	·01	-	·01	·67	-	-	·07	·13	× ·06		29
30	·01	✕	·01	·01	-	·33	·47	·01	·10	·15	·58	·02		30
31	-	✕	-	✕	-	✕	·49	-	✕	·07	✕	-		31
TOTAL	7·37	4·88	5·11	2·33	1·67	3·45	4·79	3·72	2·12	6·95	5·97	2·14	Year's Total 50.50	
* Days with .01 in. or more.	~~26~~	~~21~~	~~28~~	~~21~~	~~13~~	~~16~~	~~22~~	~~16~~	~~19~~	~~24~~	~~26~~	~~18~~	~~250~~	
* Days with .04 in. or more.	~~21~~	~~19~~	~~21~~	~~16~~	~~9~~	~~13~~	~~15~~	~~11~~	~~10~~	~~16~~	~~20~~	~~9~~	~~180~~	

× Melted snow.

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations
Station No. 3581

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at Redewater, Catcleugh
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 0 in.
„ Ground „ Sea Level 819 ft.

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	-	-	.16	.02	-	.04	-	-	-	.15	.15		1
2	-	-	-	.10	-	-	.14	-	-	-	.86	.11		2
3	×.03	×.24	-	.26	-	-	.04	-	-	.07	-	.01		3
4	-	×.38	-	.06	-	-	.09	-	.07	.24	-	.13		4
5	-	.02	-	.07	.12	-	-	-	-	.58	.22	.64		5
6	.05	.08	-	.02	-	-	.09	-	.01	.04	.25	.62		6
7	.12	.09	.01	.30	.03	-	.02	.09	-	.02	-	.07		7
8	-	.01	.05	.03	-	-	.09	.36	.04	.21	.20	.10		8
9	-	-	.50	-	-	-	.59	.16	.05	.75	.24	.01		9
10	-	-	.01	-	-	-	1.05	.35	.04	.04	.33	-		10
11	-	×.04	.49	-	-	-	.66	-	.05	-	.43	-		11
12	-	×.03	.93	-	.01	-	.01	-	.06	-	.07	-		12
13	-	×.18	.11	-	-	-	.65	.02	.14	.01	.04	.07		13
14	-	×.22	.11	.21	.03	-	1.14	.04	.05	.02	-	.36		14
15	.21	-	[illegible]	[illegible]	.03	.01	-	-	-	-	.18	.31		15
16	.20	-	.04	[illegible]	-	-	.16	-	1.21	.12	.03	.06		16
17	-	-	.09	-	-	-	1.44	-	.25	.18	.80	.02		17
18	-	-	.44	.03	-	-	.14	.06	.29	-	.05	.21		18
19	×.36	.01	.03	.04	-	-	.11	-	.49	.07	.34	.03		19
20	×.08	.09	.43	.20	.04	-	.10	.31	.02	.03	.13	.03		20
21	-	.01	.12	.16	-	.36	.02	.02	.03	.36	.07	-		21
22	.03	.04	.03	.01	.11	.25	.22	.04	.40	.14	-	-		22
23	.03	.04	.15	.24	.05	.03	-	.02	.04	.26	.19	.01		23
24	.11	.02	.03	.15	.03	.01	.02	-	.04	.10	.01	.01		24
25	-	-	-	-	.36	.10	1.12	-	-	.03	-	.18		25
26	×.22	.09	.18	-	.51	.05	.54	.14	.04	.05	.04	.01		26
27	×.25	.06	.01	.05	.03	.02	.05	-	-	.02	.01	-		27
28	×.18	.01	×.01	.02	.03	-	.01	.05	-	.02	-	.01		28
29	×.04	.02	.48	-	.30	.03	.12	-	-	.02	-	.30		29
30	×.09	✕	.05	-	.06	-	.02	-	-	.36	.02	.46		30
31	×.19	✕	.36	✕	.03	✕	-	-	✕	.05	✕	.24		31
TOTAL	2.19	1.74	5.26	2.11	1.49	.86	9.10	1.66	3.35	3.79	4.90	4.09	Year's Total 40.84	
* Days with .01 in. or more.	~~16~~	~~20~~	~~23~~	~~18~~	~~17~~	~~9~~	~~24~~	~~13~~	~~19~~	~~23~~	~~22~~	~~25~~	234	
* Days with .04 in. or more.	13	11	15	12	8	4	21	10	15	15	16	14	154	

× Melted snow

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Arthur Hardcastle

[P.T.O.

3581/1

FORM 1090. **B**

*** The following register of m
&c., is NOT required if da
values are given on the ot

n and also the space for

s register should be sent :—

3581/1

REDEWATER COOMSDON

1937 — 40

280702

RAINFALL IN 1

At Ramshope

In the County of Northum

Rain Gauge
Diameter of Funnel.........
Height of Top above Ground...1
Height of Ground above Sea Level

.....in Summer..........

Direction from
e...............gauge............

Direction from
e................gauge...........

Distances ...

Directions from gauge ...

Month	Total Depth	Greatest Fall in 24 hours		·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.85				
FEB.	6.30				
MAR.	5.20				
APRIL	2.07				
MAY	3.24				
JUNE	1.43				
JULY	2.48				
AUG.	3.92				
SEPT.	2.87				
OCT.	2.78				
NOV.	·78				
DEC.	5.93				
TOTAL	40.85				

6.30
5.2

Signature ....

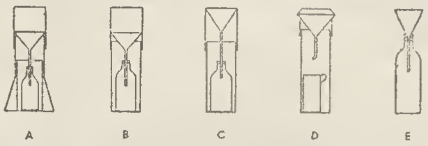
* See Instruction 3 *(f)* below.

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

4/38

13/38

660605/26

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

3581/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Ramshope

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1200 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3.85				
FEB.	6.30				
MAR.	5.20				
APRIL	2.07				
MAY	3.24				
JUNE	1.43				
JULY	2.48				
AUG.	3.92				
SEPT.	2.87				
OCT.	2.78				
NOV.	·78				
DEC.	5·93				
TOTAL	40·85				

6.30
6.30
5.2

Signature

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

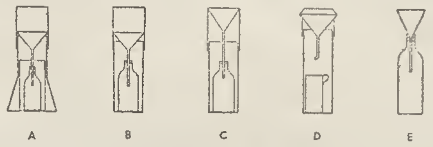
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

[illegible] (20/7/38) [illegible] 4/38

[illegible] 4/3/38

660605/26

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W. H. & S. 668/91. S.O. Code No. 40-9999

N ✓

REDEWATER (COOMSDON)

3581/1

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193~~7~~ 8

At ~~Burnside~~ Coomsdon

In the County of Northumbᵈ

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* 9 *in.*
- *Height of Ground above Sea Level* ~~[illegible]~~ 1350 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	7·20	✓			
FEB.	1·89	✓			
MAR.	1·88	✓			
APRIL	0·19	✓			
MAY	2·28	✓			
JUNE	3·58	✓			
JULY	6·03				
AUG.	2·72	✓			
SEPT.	2·35	✓			
OCT.	7·71	✓			
NOV.	5·87	✓			
DEC.	3·97	✓			
Total	45·64	✓ ✓	wp low SB 11/5/39		

Signature

NEWCASTLE & GATESH'D. W. CO.

N

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

ENGINEER
WATER WORKS

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 19 miles Direction from gauge South East

Nearest Parish Church at Byrness Distance 4 miles Direction from gauge South East.

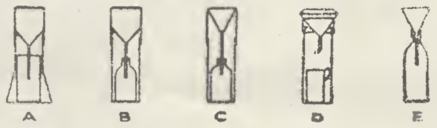
Nature of objects nearest to gauge	Whitelee Farm			
Height of objects	900 feet O.D.			
Distances	1½ Mile			
Directions from gauge	North			

If gauge has been moved during the year state—

Date of move ………… Distance ………… Direction …………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

f 66060/26

✓

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\ \cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

3581/1

Form 1090.

B Monthly Summary.

. The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Redewater Coomsdon

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1350 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
Jan.	6.51 ✓				
Feb.	4.95 ✓				
Mar.	3.58 ✓				
April	2.41 ✓				
May	1.10 ✓				
June	3.03 ✓				
July	(5.16) ~~2.66~~				
Aug.	2.30 ✓				
Sept.	1.32 –				
Oct.	5.28 ✓				
Nov.	5.83				
Dec.	1.33 ✓				
Total	42.80 ~~40.30~~				

Signature Arthur Hardcastle.

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

ARTHUR HARDCASTLE
ENGINEER

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 19 miles Direction from gauge So. east

Nearest Parish Church at Byrness Distance 4 miles Direction from gauge So. east

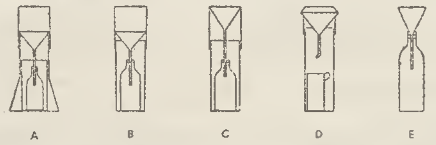
Nature of objects nearest to gauge	Whitelee Farm			
Height of objects	900 Feet O.D.			
Distances ...	1 mile			
Directions from gauge ...	North			

If gauge has been moved during the year state—

Date of move.............. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

1938
TRAVELLING FORM.
VALUES FORWARDED

July adjusted to agree with nearby stations.

2/40 letter sent re exposure

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

January corrected for snow.

3581/1

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Redewater, Coomsdon

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1350 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
(2.50) JAN.	~~.81~~				
FEB.	2·14				
MAR.	5·25				
APRIL	1·46				
MAY	1·09				
JUNE	·50				
JULY	8·90				
AUG.	1·83				
SEPT.	2·49				
OCT.	3·01				
NOV.	3·23				
DEC.	3·44				
36·20 TOTAL	~~34·84~~				

Signature Arthur [illegible]

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................Distance.................Direction from gauge.................

Nearest Parish Church at.................Distance.................Direction from gauge.................

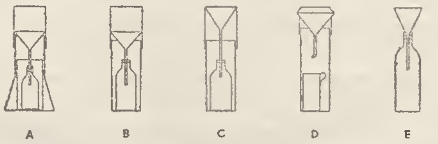
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................Distance.................Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

hp for 1939

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Letter sent 13/2

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this* ·005 *mark or between this* ·005 *and the* ·01 *mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) The "*number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is* "*trace.*" *The* "*number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

REDEWATER (BATEINGH

3581/1/5

FORM 1090. **B** M
Su

3581/1/5

REDEWATER, BATEINGHOPE
1938 — 40

780702

*** **The following register of mont**
&c., is NOT required if daily
values are given on the other

and also the space for

egister should be sent :—

RAINFALL IN 193..

At ~~Whittington~~ Bateinghope

In the County of Northu

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1 *ft.*
Height of Ground above Sea Level 1300

in Summer Monthly

19 Miles Direction from gauge South East

4 3/4 Miles Direction from gauge South East

Month.	Total Depth.	Greatest Fall in 24 hours.		'01 in. or more	'04 in. or more
	Inches	Inches	Date	*	*
JAN.	6·35				
FEB.	1·70				
MAR.	2·37				
APRIL	0·26				
MAY	2·94				
JUNE	4·63				
JULY	6·18				
AUG	2·16				
SEPT.	2·63				
OCT.	7·96				
NOV.	7·98				
DEC.	3·75				
Total	48.91	✓	wp GB	ow. 26/4/	39

Distances ..	4 mile			
Directions from gauge ..	East.			

If gauge has been moved during the year state—

Date of move................ Distance................ Direction................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

f 66605/26

Signature NEWCASTLE & GATESH'D. W. CO.

N

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

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(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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REDEWATER (BATEINGH

3581/1/5

FORM 1090.

B M Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193 8

At ~~Whittington~~ Bateinghope

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft* *in.*
- *Height of Ground above Sea Level* ~~[illegible]~~ 1300 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6·35 ✓				
FEB.	1·70 ✓				
MAR.	2·37 ✓				
APRIL	0·26 ✓				
MAY	2·94 ✓				
JUNE	4·63 ✓				
JULY	6·18				
AUG	2·16 ✓				
SEPT.	2·63 ✓				
OCT.	7·96 ✓				
NOV.	7·98 ✓				
DEC.	3·75 ✓				
Total	48·91 ✓	✓	wp	low. 26/4/39	

gB

Signature NEWCASTLE & GATESH'D. W. CO.

N

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 19 Miles Direction from gauge South East

Nearest ~~Parish~~ Church at Byrness Distance 4 3/4 Ms Direction from gauge South East

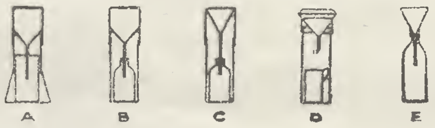
Nature of objects nearest to gauge	Whitelee Farm			
Height of objects	900 Feet. O.D.			
Distances	3/4 Mile			
Directions from gauge	East.			

If gauge has been moved during the year state—

Date of move ………… Distance ………… Direction …………

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

8 66605/26

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

3581/1/5

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Redewater, Bateinghope

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1300 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.99	✓			
FEB.	5.96	✓			
MAR.	3.85	✓			
APRIL	2.31	✓			
MAY	1.45	✓			
JUNE	3.49	✓			
JULY	5.19	✓			
AUG.	3.04	✓			
SEPT.	2.06	✓			
OCT.	5.78	✓			
NOV.	5.58				
DEC.	1.56	✓			
TOTAL	47.26				

v.v. low. W+

Signature Arthur Hardcastle.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

NEWCASTLE & GATESHEAD WATER WORKS. ARTHUR HARDCASTLE ENGINEER

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 19 miles Direction from gauge South East

Nearest Parish Church at Byrness Distance ¾ miles Direction from gauge South East

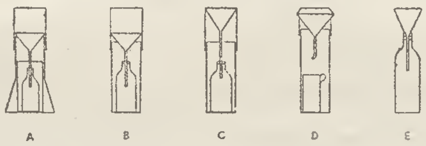
Nature of objects nearest to gauge	Whitlee Farm			
Height of objects	900 feet OD			
Distances ...	¾ mile			
Directions from gauge ...	East			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

v. low 1938

TRAVELLING FORM. VALUES FORWARDED MONTHLY.

f 660605/26

2/40 letter sent re exposure

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

January corrected for snow.

3581|1|5

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~34~~40

At Redewater, Bateinghope

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1300 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
(2·50) JAN.	~~·43~~	✓			
FEB.	2·14	✓			
MAR.	4·30	✓			
APRIL	1·10	✓			
MAY	·89	✓			
JUNE	·64	✓			
JULY	9·20	✓			
AUG.	1·81	✓			
SEPT.	2·83	✓			
OCT.	3·28	✓			
NOV.	4·48	✓			
DEC.	2·98	✓			
36·18 TOTAL	~~34·11~~	✓			

[illegible]

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
....
....

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................... Distance.............. Direction from gauge..........

Nearest Parish Church at.................... Distance.............. Direction from gauge..........

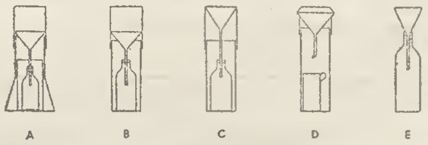
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—
....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

[illegible] 1939

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

Letter sent 13/2

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

3581/2

RAMSHOPE
1938 —— 40

780702

3581/2

FORM 1090.

B Mo
Su

*** The following register of mont
&c., is NOT required if daily
values are given on the othe

nd also the space for

RAINFALL IN 193

egister should be sent:—
d Water Co
m St Newcastle

At Ramshope

In the County of Northum

in Summer Monthly

Direction from
6 miles gauge South East

Direction from
2½ miles gauge So East

Rain Gauge
Diameter of Funnel.........5
Height of Top above Ground....1....f
Height of Ground above Sea Level..

Month	Total Depth	Greatest Fall in 24 hours		.01 in. or more	.04 in. or more
	Inches	Inches	Date	*	*
JAN.	5.44				
FEB.	1.43				
MAR.	1.91				
APRIL	.25				
MAY	2.44				
JUNE	3.97				
JULY	5.68				
AUG.	2.64				
SEPT.	2.34				
OCT.	7.78				
NOV.	6.43				
DEC.	3.07				
TOTAL	43.36	up low GB 26/4/39			

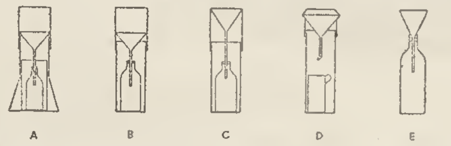
Distances ...	5 miles		
Directions from gauge ...	South		

If gauge has been moved during the year state—

Date of move.............................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Overexposed ?

+1937

f. 6606.5/26

0

Signature ....

* See Instruction 3 (*f*) below.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3581/2

FORM 1090.

B Mo
Summary.

C Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Ramshope

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1200 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5.44				
FEB.	1.43				
MAR.	1.91				
APRIL	·25				
MAY	2.44				
JUNE	3.97				
JULY	5.68				
AUG.	2.64				
SEPT.	2.34				
OCT.	7.78				
NOV.	6.43				
DEC.	3.07				
TOTAL	43.36	up low GB 26/4/39			

Signature ....

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Newcastle & Gateshead Water Co
Engineers Office, Pilgrim St, Newcastle

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 16 miles Direction from gauge South East

Nearest ~~Parish~~ Church at Byrness Distance 2½ miles Direction from gauge S. East

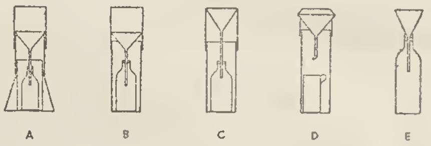
Nature of objects nearest to gauge	Eaker Crag			
Height of objects	1508 feet OD			
Distances ...	½ mile			
Directions from gauge ...	South			

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Overexposed ?

rf 1937

f. 6606 · 5/36

O

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

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3581/2

Form 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Ramshope

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 ft. 0 in.
- *Height of Ground above Sea Level* 1200 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.24				
FEB.	4.31				
MAR.	3.61				
APRIL	1.39				
MAY	1.43				
JUNE	3.11				
JULY	4.19				
AUG.	3.16				
SEPT.	1.71				
OCT.	6.12				
NOV.	4.62				
DEC.	1.52				
TOTAL	41.44				

ry low

Signature Arthur Hardcastle

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any enquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

Hour of observation by the clock in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 16 miles Direction from gauge South east

Nearest Parish Church at Byrness Distance 2½ miles Direction from gauge South east

Nature of objects nearest to gauge	Eaker Crag			
Height of objects	1508 feet O.D.			
Distances ...	½ mile			
Directions from gauge ...	South			

If gauge has been moved during the year state—

Date of move.................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

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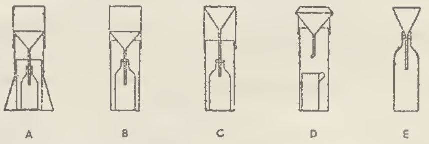

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

ry low

1931 8

F 660605/26

2/40 letter sent re exposure

D INSTRUCTIONS.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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January corrected for snow.

3581/2

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~3~~40

At Ramshope

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1200 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
(2.50) JAN.	~~·54~~				
FEB.	1·19 ✓				
MAR.	4·26 ✓				
APRIL	1·86 ✓				
MAY	1·53 ✓				
JUNE	·68 ✓				
JULY	7·64 ✓				
AUG.	1·31 ✓				
SEPT.	3·08 ✓				
OCT.	4·12 ✓				
NOV.	4·40 ✓				
DEC.	2·95 ✓				
35·52 TOTAL	~~33·56~~	✓			

np low JH

Signature

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................Distance.................Direction from gauge.................

Nearest Parish Church at.................Distance.................Direction from gauge.................

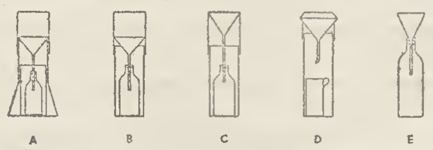
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................Distance.................Direction.................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

np low 1939

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

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(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

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Travelling

A. Hardcastle Esq.

3581/3

3581/3
WHITELEE
1937 — 40

780702

FORM 1090. **B** M S

₊ **The following register of mo &c., is NOT required if dai values are given on the oth**

and also the space for

register should be sent :—

....

....

...in Summer..................

RAINFALL IN 19

At Whitelee

In the County of Northum

Rain Gauge
- Diameter of Funnel.........
- *Height of Top above Ground....*1
- *Height of Ground above Sea Level..*

Direction from ....gauge..............

Direction from ....gauge..............

Month	Total Depth	Greatest Fall in 24 hours		or more	or more
	Inches	Inches	Date	*	*
JAN.	4.12				
FEB.	6.10				
MAR.	5.10				
APRIL	1.73				
MAY	2.14				
JUNE	1.84				
JULY	2.45				
AUG.	3.79				
SEPT.	3.26				
OCT.	3.09				
NOV.	·86				
DEC.	5.54 ✓				
TOTAL	40.32 ✓				

Distances ...				
Directions from gauge ...				

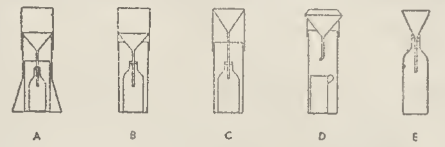
Signature Arthur Hardcastle.

If gauge has been moved during the year state—

Date of move.............................. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

? do not found — write [illegible] [illegible] BF 10/7/38 for [illegible]

written 4/8/38

* See Instruction 3 (*f*) below.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt.1046/3030. 26,000. 4/36. W.H.& S. 668/91. S.O. Code No. 40-9999

N

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Travelling [illegible]   O. Hardcastle Esq

3581/3

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

At Whitelee

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1000 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·12				
FEB.	6·10				
MAR.	5·10				
APRIL	1·73				
MAY	2·14				
JUNE	1·84				
JULY	2·45				
AUG.	3·79				
SEPT.	3·26				
OCT.	3·09				
NOV.	·86				
DEC.	5·54 ✓				
TOTAL	40·32 ✓				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

f660605/26

Hour of observation by the clock—in Winter.................in Summer..........

Nearest Railway Station.................. Distance.......... Direction from gauge..........

Nearest Parish Church at.................. Distance.......... Direction from gauge..........

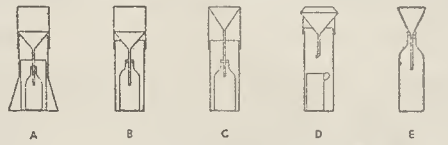
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

? do not found — write [illegible] [illegible] in BF 10/7/38 [illegible] written 4/8/38

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

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(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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N

3581/3

FORM 1090.

B Monthly Summary.

***,* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1938.

At Whitelee

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1000 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	√7.42				
FEB.	√2.33				
MAR.	√2.43				
APRIL	·41 √				
MAY	3.56 √				
JUNE	4.99 √				
JULY	6.19 √				
AUG.	3.72 √				
SEPT.	1.83 √				
OCT.	8.21 √				
NOV.	7.61 √				
DEC.	3.96 √				
TOTAL	52.66 √	permit. GB 26/4/39			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Newcastle + Gateshead Water Co
Engineers Office, Pilgrim St N/C

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 19 miles Direction from gauge South East

Nearest ~~Parish~~ Church at Byrness Distance 4 miles Direction from gauge So East

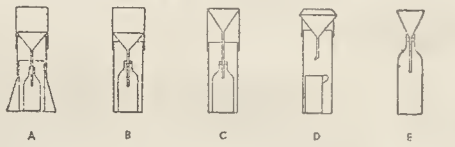
Nature of objects nearest to gauge	Whitelee Farm House			
Height of objects	900 ft OD			
Distances ...	1/4 mile			
Directions from gauge ...	South			

If gauge has been moved during the year state—

Date of move.................................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Improvement since Jan 1938
(Sept. looks low)

1937 [illegible]

f 6-60605/26

O

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(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3581/3

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Whitelee

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1000 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.89 ✓				
FEB.	5.24 ✓				
MAR.	4.46 ✓				
APRIL	2.92 ✓				
MAY	1.52 ✓				
JUNE	3.26 ✓				
JULY	(4.24) ~~3.21~~ ✓				
AUG.	3.03 ✓				
SEPT.	1.95 ✓				
OCT.	5.91 ✓				
NOV.	4.90				
DEC.	1.86				
TOTAL	46.17 ~~45.18~~				

Signature Arthur Hardcastle

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and address to which any inquiry relating to this register should be sent :—

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

Hour of observation by clock in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 19 miles Direction from gauge South east

Nearest Parish Church at Byrness Distance 4 miles Direction from gauge South east

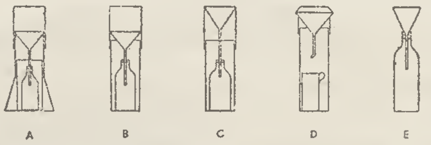
Nature of objects nearest to gauge	Whitelee Farm House			
Height of objects	900 ft O.D.			
Distances ...	¼ mile			
Directions from gauge ...	South			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

July

July adjusted to agree with nearby stations

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

January corrected for snow

3581/3 ✓

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 19~~34~~40

At Whitelee

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1000 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
(2·50) JAN.	~~·62~~	✓			
FEB.	1·45	✓			
MAR.	5·10	✓			
APRIL	2·24	✓			
MAY	·41	✓			
JUNE	·85	✓			
JULY	8·43	✓			
AUG.	1·64	✓			
SEPT.	3·04	✓			
OCT.	3·45	✓			
NOV.	3·82	✓			
DEC.	3·89	✓			
37·48 TOTAL	~~35·60~~	✓			

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

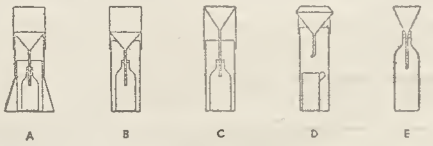
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

REDEWATER (CARTER

3581/5

FORM 1090. **B**

3581/5

REDEWATER CARTER
1938 — 40

780702

*** The following register of m
&c., is NOT required if da
values are given on the ot

on and also the space for

is register should be sent:—
Water Company
Newcastle upon Tyne
thly in Summer Monthly

ce 20 miles Direction from gauge North East

ce 5 miles Direction from gauge South East.

RAINFALL IN 19

At Carter

In the County of Northum

Rain Gauge
Diameter of Funnel
Height of Top above Ground 1
Height of Ground above Sea Leve

Month.	Total Depth.	Greatest Fall in 24 hours.		or more	or more
	Inches	Inches	Date	*	*
JAN.	5·21	✓			
FEB.	1·69				
MAR.	1·68	✓			
APRIL	0·29	✓			
MAY	3·21	✓			
JUNE	4·32	✓			
JULY	5·17				
AUG.	2.56	✓			
SEPT.	2.55	✓			
OCT.	7.24	✓			
NOV.	5.69	✓			
DEC.	3.13	✓			
Total	42.74 ✓	✓	up low. GB 26/4/39		

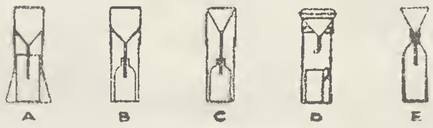
Distances ..	74 miles	
Directions from gauge ..	South East.	

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

This raingauge appears to be over exposed. I suggest a turf wall round the gauge. Examination of 1st [illegible] months this could not be done efficiently as we had no position given. GB. 26/4/39

f 660605/26

Signature NEWCASTLE & GATESH'D W. CO.

N

*See Instruction 2 (*f*) below.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

REDEWATER (CARTER

3581/5

FORM 1090.

B Summary.

C Particulars of Station.

⁎ **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1938

At Carter

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* 0 *in.*
Height of Ground above Sea Level 1100 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5·21				
FEB.	1·69				
MAR.	1·68				
APRIL	0·29				
MAY	3·21				
JUNE	4·32				
JULY	5·17				
AUG.	2·56				
SEPT.	2·55				
OCT.	7·24				
NOV.	5·69				
DEC.	3·13				
Total	42·74				

wp
low. GB
26/4/39

Signature NEWCASTLE & GATESH'D W. CO.

N

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— Newcastle & Gateshead Water Company Engineer, Pilgrim St. Newcastle upon Tyne

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 20 miles Direction from gauge South East

Nearest ~~Parish~~ Church at Byrness Distance 5 miles Direction from gauge South East.

Nature of objects nearest to gauge	Whitlee Farm			
Height of objects	900 feet O.D.			
Distances ..	3/4 Miles			
Directions from gauge ..	South East.			

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

This raingauge appears to be over exposed. I suggest a turf wall round the gauge. Examination of 18 [illegible] months this could not be done efficiently as we had no positive figures. GB. 26/4/39

f 660605/26

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

3581/5

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At Redewater, Carter

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* 0 *in.*
Height of Ground above Sea Level 1100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	6.22	✓			
FEB.	4.79	✓			
MAR.	4.02	✓			
APRIL	3.42	✓			
MAY	1.91	✓			
JUNE	3.21	✓			
JULY	4.47	✓			
AUG.	2.83	✓			
SEPT.	1.62	✓			
OCT.	5.23	✓			
NOV.	5.88				
DEC.	1.48	✓			
TOTAL	45.08				

wr low'

Signature Arthur Hardcastle

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any enquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS.

Hour of observation by the clock—in Winter Monthly in Summer Monthly

Nearest Railway Station Woodburn Distance 20 miles Direction from gauge South East

Nearest Parish Church at Byrness Distance 5 miles Direction from gauge South East

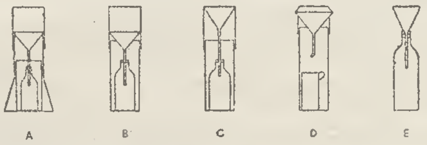
Nature of objects nearest to gauge	Whitelee Farm			
Height of objects	900 feet O.D			
Distances ...	3/4 mile			
Directions from gauge ...	South east			

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

my low 1938

TRAVELLING FORM
VALUES F[illegible] MONTHLY

660605/26

2/40 letter sent re exposure

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is, therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

January corrected for snow.

3581/5

FORM 1090.

B Monthly Summary.

The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Redewater, Carter

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* 0 *in.*
- *Height of Ground above Sea Level* 1100 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	~~·62~~ (2·50)				
FEB.	2·13				
MAR.	4·65				
APRIL	1·71				
MAY	1·33				
JUNE	·84				
JULY	4·98				
AUG.	1·40				
SEPT.	2·59				
OCT.	3·18				
NOV.	4·09				
DEC.	2·94				
TOTAL	~~33·46~~ 35·34				

7 Nov
SH

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

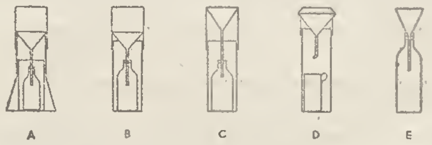
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Up Nov 1939

TRAVELLING FORM.

VALUES FORWARDED MONTHLY

Letter sent 13/2

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3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

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S.O. Code No. 40-9999

3582

FORM 1090. **B**

3582

WHITTINGTON

1931 — 40

780702

*** The following register of mor
&c., is NOT required if daily
values are given on the other

and also the space for

register should be sent:—

in Summer

Direction from gauge

Direction from gauge

RAINFALL IN 193

At *Whittington*

In the County of *Northu*

Rain Gauge
- Diameter of Funnel
- *Height of Top above Ground* ft
- *Height of Ground above Sea Level*

Month.	Total Depth.	Greatest Fall in 24 hours.			
	Inches.	Inches.	Date.		
JAN.	1·75				
FEB.	1·57				
MAR.	1·33				
APRIL	2·66				
MAY	2·67				
JUNE	4·33				
JULY	4·05				
AUG.	5·60				
SEPT.	1·10				
OCT.	1·23				
NOV.	2·65				
DEC.	1·52				
Total	30·46				

Signature

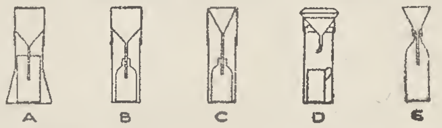
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090. **B**

3582

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Whittington

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* ... *ft* 9 *in.*
- *Height of Ground above Sea Level* 528 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·75				
FEB.	1·57				
MAR.	1·33				
APRIL	2·66				
MAY	2·67				
JUNE	4·33				
JULY	4·05				
AUG.	5·60				
SEPT.	1·10				
OCT.	1·23				
NOV.	2·65				
DEC.	1·52				
Total	30·46				

Signature

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ... in Summer ...

Nearest Railway Station ... Distance ... Direction from gauge ...

Nearest Parish Church at ... Distance ... Direction from gauge ...

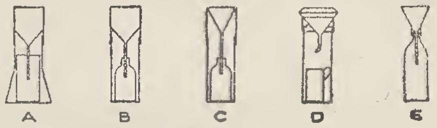
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ... Distance ... Direction ...

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

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3582

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Whittington

In the County of Northumbd

Rain Gauge

Diameter of Funnel 8 in.

Height of Top above Ground ft. 9 in.

Height of Ground above Sea Level 528 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·22				
FEB.	·61				
MAR.	2·19				
APRIL	1·83				
MAY	2·62				
JUNE	1·45				
JULY	3·48				
AUG.	2·27				
SEPT.	3·53				
OCT.	4·10				
NOV.	1·13				
DEC.	1·05				
Total	25·48				

Signature Arthur Hardcastle.

NEWCASTLE & GATESHEAD
ARTHUR HARDCASTLE
ENGINEER
WATER WORKS.

*See Instruction 2 (*f*) below.

C Particulars of Station.

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Name and Address to which any inquiry relating to this register should be sent:—

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Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

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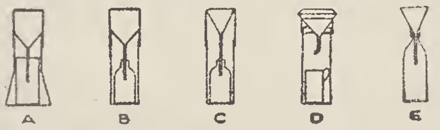

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(c) When was the measurement made?

M.O.
5 JAN 1933

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(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3582

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Whittington

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* ...... *ft* 9 *in.*
- *Height of Ground above Sea Level* 528 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·30				
FEB.	4·18				
MAR.	1·00				
APRIL	1·44				
MAY	1·46				
JUNE	2·03				
JULY	2·15				
AUG.	1·67				
SEPT.	1·29				
OCT.	3·20				
NOV.	2·96				
DEC.	·90				
Total	23·58				

Signature Arthur Hardcastle

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

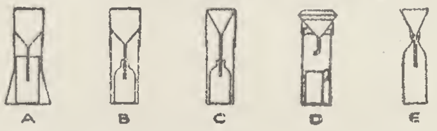
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(457) Wt.9673/738 16000 8/32. Gp. 119/110,

(h)

3582

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1934

At Whippington

In the County of Northumbd.

Rain Gauge
Diameter of Funnel 8 in.
Height of Top above Ground ft. 9 in.
Height of Ground above Sea Level 528 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·79				
FEB.	·26				
MAR.	3.68				
APRIL	3.45				
MAY	1·16				
JUNE	2·56				
JULY	2·92				
AUG.	3.17				
SEPT.	1.68				
OCT.	3.37				
NOV.	2.84				
DEC.	3·97				
Total	30·85				

Signature Arthur [illegible]

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

- (a) Is it known that the gauge was empty at the beginning of the measured rainfall?
- (b) What note was made of the times of beginning and end of this fall?
- (c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

3582

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1935

At Whittington

In the County of Northumbd.

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground .... ft 9 in.*
- *Height of Ground above Sea Level 528 ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2.65				
FEB.	3.15				
MAR.	·92				
APRIL	2.92				
MAY	·74				
JUNE	2.13				
JULY	·75				
AUG.	2.48				
SEPT.	2.91				
OCT.	4.90				
NOV.	3.40				
DEC.	1.67				
Total	28.62				

Signature Arthur Hardcastle.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

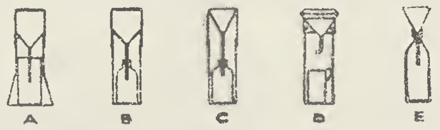
Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

3582

FORM 1090.

B Monthly Summary.

⁎ *The following register of monthly totals, &c., is required if daily or weekly values cannot be given on the other side.*

RAINFALL IN 19~~2~~36

At Whittington

In the County of Northumba

Rain Gauge.
Diameter of Funnel 8 in.
Height of Top above Ground ft. 9 in.
Height of Ground above Sea Level 528 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				0·1 in. or more	·04 in. or more
	Inches.	Inches.	Date.		
JAN.	3.79				
FEB.	2.17				
MAR.	2.30				
APR.	1.47				
MAY	1.55				
JUNE	2.46				
JULY	3.00				
AUG.	2.15				
SEPT.	3.53				
OCT.	2.17				
NOV.	2.77				
DEC.	1.88				
Total	29.24				

Signature Arthur [illegible]

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

NEWCASTLE & GATESHEAD
ARTHUR [illegible]
ENGINEER
WATER WORKS

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

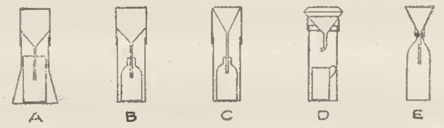
Nature of objects nearest to gauge				
Heights of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in ***British Rainfall,*** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(*a*) Is it known that the gauge was empty at the beginning of the measured rainfall?
(*b*) What note was made of the times of beginning and end of this fall?
(*c*) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6. Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st ; it is therefore the amount measured on January 2nd.*

9 *a.m. Greenwich Mean Time is* 10 *a.m. by the clock during Summer Time Period.*

(*b*) *The raingauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, *i.e.*, the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005 ; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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40-9999.

3582

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is **NOT** required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Whittington

In the County of Northumb'ld

Rain Gauge
Diameter of Funnel 8 in.
Height of Top above Ground ...... ft. 9 in.
Height of Ground above Sea Level 528 ft.

Month	**Total Depth**	**Greatest Fall in 24 hours**		**Number of Days with**	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2.60				
FEB.	3.17				
MAR.	3.35				
APRIL	2.11				
MAY	2.58				
JUNE	1.53				
JULY	2.50				
AUG.	2.59				
SEPT.	2.83				
OCT.	2.11				
NOV.	·88				
DEC.	4.58				
TOTAL	30.83				

Signature ......

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
......
......

TRAVELLING FORM
VALUES FORWARDED

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

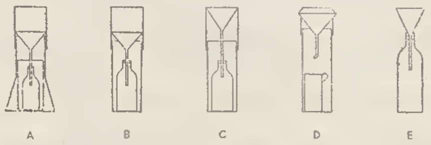
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

......

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3582

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Whittington, Newcastle W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* – *ft.* 9 *in.*
- *Height of Ground above Sea Level* 528 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·79				
FEB.	1·01				
MAR.	·67				
APRIL	·15				
MAY	2.43				
JUNE	3.34				
JULY	2.46				
AUG.	2.44				
SEPT.	1·51				
OCT.	4.08				
NOV.	2·27				
DEC.	2.64				
TOTAL	24.79				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.................... Distance.......... Direction from gauge..........

Nearest Parish Church at.................... Distance.......... Direction from gauge..........

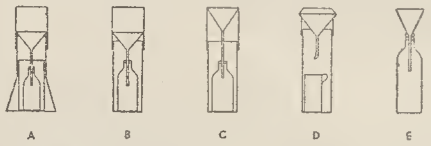
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 ; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3582

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Whittington, Newe. W.W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel.........8.........in.
- *Height of Top above Ground.........ft.....9.....in.*
- *Height of Ground above Sea Level....528..ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4.38	✓			
FEB.	1.44	✓			
MAR.	3.36	✓			
APRIL	1.00	✓			
MAY	1.27	✓			
JUNE	2.22	✓			
JULY	2.54	✓			
AUG.	2.30	✓			
SEPT.	1.41	✓			
OCT.	5.80	✓			
NOV.	3.17				
DEC.	1.25	✓			
TOTAL	30.14	–			

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.............................. Distance.................. Direction from gauge..................

Nearest Parish Church at.............................. Distance.................. Direction from gauge..................

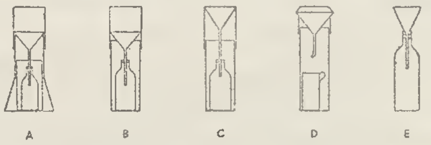
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.............................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 663/91
S.O. Code No. 40-9999

January corrected for snow

3582

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Whittington N'cas. W.W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 8 in.
- *Height of Top above Ground* ft. 9 in.
- *Height of Ground above Sea Level* 528 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
1·57 JAN.	~~1·07~~				
FEB.	1·82				
MAR.	3·22				
APRIL	1·23				
MAY	1·23				
JUNE	·56				
JULY	4·04				
AUG.	1·19				
SEPT.	1·46				
OCT.	2·43				
NOV.	2·41				
DEC.	2·26				
27·35 TOTAL	~~26·85~~				

Signature ....

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.................in Summer.................

Nearest Railway Station.............................. Distance.............. Direction from gauge..............

Nearest Parish Church at.............................. Distance.............. Direction from gauge..............

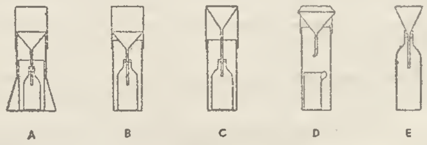
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................................... Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91

3583

FORM 1090. **B** Mont
Sum

3583

BURNSIDE

1931 — 40

780702

*** The following register of monthly
&c., is NOT required if daily or
values are given on the other side

also the space for

ter should be sent:—

Summer

Direction from gauge

Direction from gauge

RAINFALL IN 1931

At Burnside

In the County of Northum

Rain Gauge
- Diameter of Funnel 5
- *Height of Top above Ground* ft.
- *Height of Ground above Sea Level*

Month.	Total Depth.	Greatest Fall in 24 hours.		Num Days ·01 in or more	
	Inches.	Inches.	Date.	*	
JAN.	1·70				
FEB.	1·40				
MAR.	1·05				
APRIL	2·78				
MAY	2·75				
JUNE	4·07				
JULY	3·95				
AUG.	5·65				
SEPT.	1·13				
OCT.	1·18				
NOV.	2·50				
DEC.	1·50				
Total	29·66				

Signature

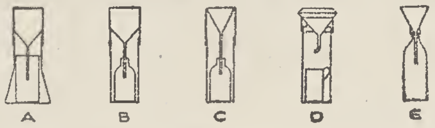
*See Instruction 2 (*f*) below.

If gauge has been moved during the year state—

Date of move.................... Distance.................... Direction....................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Oct 1" high

Nov plotted by mistake. 1·18 in OK

Dec plotted for Nov. 2·50 in OK

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(269) Wt.5244/391/474 14,000 6/30. Gp. 119/110.

FORM 1090. **B** Mont
Summ

3583

Particulars of Station.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At Burnside

In the County of Northumbd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground ft 9 *in.*
Height of Ground above Sea Level 419 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·70				
FEB.	1·40				
MAR.	1·05				
APRIL	2·78				
MAY	2·75				
JUNE	4·07				
JULY	3·95				
AUG.	5·65				
SEPT.	1·13				
OCT.	1·18				
NOV.	2·50				
DEC.	1·50				
Total	29·66				

Signature Arthur J Hardcastle

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

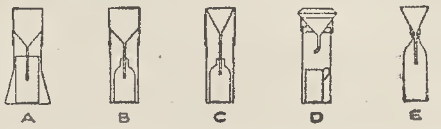
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Oct 1" high
Nov plotted by mistake. 1·18 in OK
Dec plotted for Nov 2.50 in OK

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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FORM 1090.

3583

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Burnside

In the County of Northumbd

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground ft. 9 in.
Height of Ground above Sea Level 419 ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·05				
FEB.	·56				
MAR.	2·05				
APRIL	1·56				
MAY	2·66				
JUNE	1·22				
JULY	3·84				
AUG.	2·45				
SEPT.	3·69				
OCT.	4·27				
NOV.	1·14				
DEC.	·87				
Total	25·36				

Signature Arthur Hardcastle

NEWCASTLE & GATESHEAD WATER WORKS
ARTHUR HARDCASTLE
ENGINEER

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

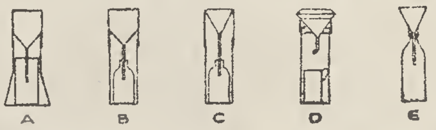
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

M.O. 7
5 JA[illegible]

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3583

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Burnside

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ...... *ft* 9 *in.*
- *Height of Ground above Sea Level* 419 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·24				
FEB.	4·05				
MAR.	1·03				
APRIL	1·37				
MAY	1·60				
JUNE	1·90				
JULY	2·09				
AUG.	1·75				
SEPT.	1·44				
OCT.	3·83				
NOV.	3·35				
DEC.	·99				
Total	24·64				

Signature Arthur [illegible]

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station ...... Distance ...... Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

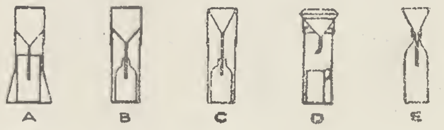
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3583

FORM 1090.

B Monthly Summary.

, **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1934

At Burnside

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ____ *ft* 9 *in.*
- *Height of Ground above Sea Level* 419 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1.58				
FEB.	·20				
MAR.	3.47				
APRIL	3.56				
MAY	1.03				
JUNE	2.48				
JULY	2.58				
AUG.	3.09				
SEPT.	1.51				
OCT.	3.54				
NOV.	2.97				
DEC.	3.93				
Total	29.94				

Signature Arthur [illegible]

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter ____ in Summer ____

Nearest Railway Station ____ Distance ____ Direction from gauge ____

Nearest Parish Church at ____ Distance ____ Direction from gauge ____

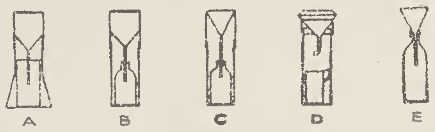
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move ____ Distance ____ Direction ____

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

FORM 1090.

B Monthly Summary.

3583

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Burnside

In the County of Northumbd

Rain Gauge

Diameter of Funnel 5 in.

Height of Top above Ground ft 9 *in.*

Height of Ground above Sea Level 419 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2.51				
FEB.	2.85				
MAR.	·76				
APRIL	2.87				
MAY	·74				
JUNE	2.36				
JULY	·65				
AUG.	3.03				
SEPT.	3.20				
OCT.	4.67				
NOV.	3.60				
DEC.	1.70				
Total	28.94				

Signature Arthur Holdsworth

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Height of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-guage should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{c}17\\18\end{array}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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(586) Wt.283/202 16,000 5/34. Gp.119/110.

3583

FORM 1090. **B** Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1936

At Burnside

In the County of Northumbd

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ___ *ft.* 9 *in.*
- *Height of Ground above Sea Level* 419 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	3.55 ✓				
FEB.	2.28 ✓				
MAR.	2.19 ✓				
APRIL	1.43				
MAY	1.64 ✓				
JUNE	2.49 ✓				
JULY	2.65 ✓				
AUG.	2.48 ✓				
SEPT.	3.40 ✓				
OCT.	1.95				
NOV.	3.00				
DEC.	1.70				
Total	28.76 ✓				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

NEWCASTLE & GATESHEAD WATER WORKS
ENGINEER

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

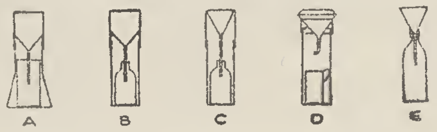
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02, *or* 0·3.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937.

At Burnside

In the County of Northumb'd.

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* ft. 9 in.
- *Height of Ground above Sea Level* 419 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	2.40				
FEB.	3.20				
MAR.	2.92				
APRIL	2.04				
MAY	2.85				
JUNE	2.18				
JULY	1.95				
AUG.	2.27				
SEPT.	2.55				
OCT.	2.15				
NOV.	·95				
DEC.	4.52				
TOTAL	29.98				

Signature

*See Instruction 2 (*f*) below.

C Particulars of Station,

TRAVELLING FORM
VALUES FORWARDED MONTHLY

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter............in Summer............

Nearest Railway Station............ Distance............ Direction from gauge............

Nearest Parish Church at............ Distance............ Direction from gauge............

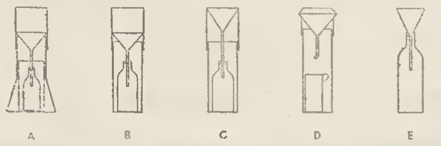
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move............ Distance............ Direction............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\,\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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3583

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1938.

At Burnside, Newcastle W.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* – *ft.* 9 *in.*
- *Height of Ground above Sea Level* 419 *ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·57				
FEB.	·80				
MAR.	·52				
APRIL	·18				
MAY	2·52				
JUNE	3·23				
JULY	1·90				
AUG.	2·03				
SEPT.	1·50				
OCT.	4·20				
NOV.	2·39				
DEC.	2·59				
TOTAL	23·43				

Signature ....

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.................. in Summer..................

Nearest Railway Station.................. Distance.................. Direction from gauge..................

Nearest Parish Church at.................. Distance.................. Direction from gauge..................

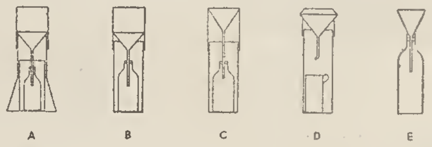
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.................. Distance.................. Direction..................

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005 : this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3583

FORM 1090.

B Monthly Summary.

*The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939.

At Burnside, Newc. W.H.

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground ft. 9 in.
Height of Ground above Sea Level 419 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	4.44				
FEB.	1.245				
MAR.	3.225				
APRIL	1.04				
MAY	1.18				
JUNE	2.20				
JULY	2.56				
AUG.	2.55				
SEPT.	1.38				
OCT.	6.02				
NOV.	3.18				
DEC.	1.18				
TOTAL	30.22				

Signature Arthur Hardcastle

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

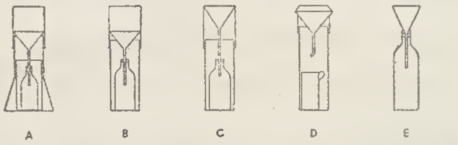
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM.
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception:* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this* ·005 *mark or between this* ·005 *and the* ·01 *mark are to be entered as* ·01 *even though they may be nearer to the* ·005 *mark than the* ·01 *mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

January corrected for snow

3583 ✓

FORM 1090.

B Monthly Summary.

* The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1940

At Burnside, N'cas. W.W.

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground ft. 9 in.
Height of Ground above Sea Level 419 ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with ·01 in. or more	Number of Days with ·04 in. or more
	Inches	Inches	Date	*	*
1·54 JAN.	~~1·05~~				
FEB.	1·67	✓			
MAR.	3·00	✓			
APRIL	1·42	✓			
MAY	1·32	✓			
JUNE	·54				
JULY	4·02	✓			
AUG.	1·06	✓			
SEPT.	1·75	✓ Not 1·81 as previously stated			
OCT.	2·64	✓			
NOV.	2·69	✓			
DEC.	2·39	✓			
27·07 TOTAL	~~26·84~~	✓			

Signature ....

* See **Instruction 3** *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter.......... in Summer..........

Nearest Railway Station.......... Distance.......... Direction from gauge..........

Nearest Parish Church at.......... Distance.......... Direction from gauge..........

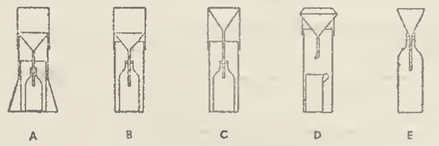
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

TRAVELLING FORM
VALUES FORWARDED MONTHLY

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  (A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Printed under the authority of His Majesty's Stationery Office by Wm. Hobbs & Sons, Ltd., Stone Street, Maidstone.
Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91
S.O. Code No. 40-9999

Section **A** for the entry

AIR MINIST

FORM 1090.

REGIS

Kept at Kirkwhelpin

in the County of North

Diameter of Funnel of Gauge

Height of top of Gauge above Grou

,, Ground ,, Sea

THE MORNING MEAS

An observer who does not conform
year in the space on the right of

Please read

3584

KIRKWHELPINGTON

1931 —— 40

780702

3584

FOR OFFICIAL USE.

L ORGANIZATION.

/. .

39/29.

/

0. 3584

ollowing

Jan. 1, following.

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.								in.	in.	
1			·2	·01		·22			·34	·11			1
2		·11		1·01	·06	·36	·01		·01	·05		·05	2
3		·03		·02		·07	·15		·09		·54	·22	3
4		·04				·02			·03	·02	·09		4
5		·01			·26		·41		·02	·03		·66	5
6					·06	1·01	·76	·48		·11			6
7		·25}	·52}		·12	·02	·04			·03	·26}	·06	7
8					·23	·27	·91	·19}	·01	·04		·01	8
9	·12	·13	·25			·18				·19	·22		9
10		·02	·14		·11		·06	·23	·11		·08		10
11		·33				·11	·26			·02	·06		11
12	·17	Tr.		·03		·15	·09	·09					12
13	·01				·18		·03					·01	13
14	·04	·22}	·26}	·02	·07	1·11	Tr.	·37}			·12	·09	14
15				·18	·02	·1				·01			15
16				·13			·11	·48	·12				16
17		·62		·67}		·17	·39	1·16			·28		17
18	·38	·01					·06			·04	·79		18
19	·04	·02				·05	·03	·57		·02			19
20								·05	·07			·04	20
21		·2}		·06		·01							21
22	·15			·27			·11				·14		22
23	·2	·01			·94}	·46			·04	·18	·41		23
24		·01		·45						·04	·11	·08	24
25		·01		·68}	·12		·09				·02		25
26							·23			·11	·63		26
27	·11			·18			·1					·02	27
28	·19			·23	·55		Tr		·01				28
29	·52		·12		·07		·15			·3	·13	·32}	29
30	·47}	×		·03	·46}		·02		·03		·01		30
31		×		×		×	·14		×		×		31
TOTAL	2·40	2·02	1·49	3·97	3·25 ~~16~~	4·31	4·15	3·62	1·08	1·3	3·89	1,56 ~~1·24~~	YEAR'S TOTAL 33·04
Days with ·01 in. or more.	12	16	5	15.	~~13~~16	16	21	9	12	16	16	11	~~165~~
Days with ·04 in. or more.	11.	7.	5.	10	13	13.	17.	9	6	10	14	8	~~123~~

d

40-9999

M

(Signed) John R. Wardle

[P.T.O.

3584

Section **A** for the entry

FOR OFFICIAL USE.

AIR MINIST BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Kirkwhelpington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 581 ft.

File Ref. 931239/29.

Station No. 3584

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1			·2	·01		·22			·54	·11			1
2		·11		1·01	·06	·36	·01		·01	·05		·05	2
3		·03		·02		·07	·15		·09		·54	·22	3
4		·04				·02			·03	·02	·09		4
5		·01			·26		·41		·02	·03		·66	5
6					·06	1·01	·76	·48		·11			6
7		·25}	·52}		·12	·02	·04			·03	·26}	·06	7
8					·23	·27	·91	·19}	·01	·04		·01	8
9	·12	·13	·25			·18				·19	·22		9
10		·02	·14		·11		·06	·23	·11		·08		10
11		·33				·11	·26			·02	·06		11
12	·17	Tr.		·03		·15	·09	·09					12
13	·01				·18		·03					·01	13
14	·04	·22}	·26}	·02	·07	1·11	Tr.	·37}			·12	·09	14
15				·18	·02	·1				·01			15
16				·13			·11	·48	·12				16
17		·62		·67}		·17	·39	1·16			·28		17
18	·38	·01					·06			·04	·79		18
19	·04	·02				·05	·03	·57		·02			19
20								·05	·07			·04	20
21		·2}		·06		·01							21
22	·15			·27			·11				·14		22
23	·2	·01			·94}	·46			·04	·18	·41		23
24		·01		·45						·04	·11	·08	24
25		·01		·68}	·12		·09				·02		25
26							·23			·11	·63		26
27	·11			·18			·1					·02	27
28	·19			·23	·55		Tr		·01			·32}	28
29	·52		·12		·07		·15			·3	·13		29
30	·47}	✕		·03	·46}		·02		·03		·01		30
31		✕		✕		✕	·14		✕		✕		31 d
TOTAL	2·40	2·02	1·49	3·97	3·25 ~~16~~	4·31	4·15	3·62	1·08	1·3	3·89	1,56 ~~1·24~~	YEAR'S TOTAL 33·04
Days with ·01 in. or more.	12	16	5	15	~~13~~ 16	16	21	9	12	16	16	11	~~165~~
Days with ·04 in. or more.	11	7	5	10	13	13	14	9	6	10	14	8	~~123~~

40-9999

M

(Signed) John R. Wardle

[P.T.O.

3584

Section **A** for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Kirkwhelpington
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 3 in.
,, Ground ,, Sea Level 580 ft.

Aug 1 "Tom" 906 sent 12/5/33 suggesting additions to August 21st & 29th as indicated below.

Station No. 3584

J. Steuch

Observer agrees amendments f 93123 9/29.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1					·02				·23	·73	·03	·15	1
2					·28				·15	·07	·09	·26	2
3		Tr		·2			·24		·23		·04	·11	3
4	·26	·01			·13	·03	·49		·08	·02			4
5	·12			·02	·21	·01			·1			·02	5
6	·03		·12	·1					·11	·22		·03	6
7			·33	·03		·01			·26	·05	·01		7
8		·08			·12				·29	·62		·01	8
9	·38}	·14		·23}	·27				·06	·12	·07	·13	9
10		·03	·03		·02	·05			·44	·51		·18	10
11		·09	·08	·03	·35		·64	·01	Tr	·1			11
12	·12				·38	Tr	·16			·14	·07		12
13	·19	·1		·04	·17		·09	·05	·31	·01	·01	·17	13
14	·13			·06						·12	·04		14
15	·2		·01							·04	·1	·07	15
16	·52							·01			·04	·34	16
17				·04	·01		·06	·04		·52		·40}	17
18					·1								18
19				·24	·05					·19		·01	19
20				·12	·09		·01	·42		·06		·03	20
21	·01	·1	·38		·11			(·50)		·85			21
22			·4	·16			·03		·05	·05	·24	·02	22
23		·04	·01	·21	·01		·14		·25	·35	·01	·01	23
24	·01	·03			Tr		·08		·04	·01			24
25		·03			·09					·15			25
26					·1	·02	·24	·05	·35	·01	·22}		26
27	·01	·02	·38	·16	·03	·63	·48			·04			27
28				·28	·32					·12			28
29			·74		·16	·01		(·50)	·01	·52	·14	·16	29
30		×			Tr	·26		·09	·36	·34			30
31		×		×	Tr	×	·06	·02	×	·04	×	·04	31 (29·38)
TOTAL	1·98	·67	2·79	2·92	3·02	1·02	2·72	(1.69) ~~·69~~	3·32	6·0	1·11	2·14	YEAR'S TOTAL ~~28·38~~
*Days with ·01 in. or more.	12	11	12	15	21	8	13	~~8~~ 10	17	27	14	18	(178) ~~176~~
*Days with ·04 in. or more.	8	6	8	13	16	3	12	~~5~~ 7	16	24	10	11	(134) ~~132~~

40-9999

M

*See Instruction 2 (f) on other side.

(Signed) John R. Wardle [P.T.O.

Section **A** **for the entry of Daily Observations.**

COPY FOR OFFICIAL USE.

Station No. 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at KIRKWHELPINGTON

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 3 in.

,, Ground ,, Sea Level 580 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·09	·02.			·02					109		1
2	·16					·02.					·68	·02	2
3	·13	·12.	·22		·15						·5.	·04	3
4	·08	·04	·05		·1								4
5		·03	·03.		·12						·01		5
6		·19	·05.		·12						·02	·07.	6
7	·2.	·21			·01					·82.		·01	7
8		·03		·07	·14	·09		·07					8
9	·01	·29					·55			·21	·04.	·14	9
10	·09	·02.				·08				·01	·04	·03	10
11						Tr	·07			·01		·01	11
12						·18	·62				·1 }	·18	12
13			·05		·47. }		·35.	·08		·21	·01		13
14			·05			·1	·75			·25 }	·11	·12	14
15	·13		·04		Tr.			·16			·39.		15
16	·12		·21	·22.	·23	·11	·32.	·01			·21		16
17	·19			·15		·81		·03	·08		·07.		17
18	~~·09~~	·09		·02.		·32		·26			·55		18
19	~~·04~~	·04			·23 }	·05	·35.	·22	·11		·12	Tr	19
20		·03				Tr.			·19		·01	Tr	20
21						·03		·19 }	·4	·32	·07.		21
22									·02	·47			22
23		·08			·08	·07		·11	·48 }	·05	·06	·03	23
24		2·04 }		·65	·06	·24	·05.	·01		·06	·01	·03.	24
25				·22		·01	·02.		·46			·1	25
26	·02.			·29	·09				·03.	~~1·00~~ ·5	·02	·04	26
27		·1			·06		·35			·08	·24		27
28		Tr.		·02	Tr.		·03	·74	·01	·81	·01	·04	28
29	·07			·22				·02		·22.	·01		29
30		×	·03	·08			·02		·02.	·02.		·01	30
31	·3.	×	·04	×		×	·31	·06	×	·01	×		31
TOTAL	1·5.	3·4	·79	1·94	1·86	2·13	3·19	1·96	1·8	4·05	3·37	·87	YEAR'S TOTAL 26·86
*Days with ·01 in. or more.	12.	16	11	10	13	14	13	13	10	16	23	15	~~166~~
*Days with .04 in. or more.	10	11.	8	8	12.	10	9	9	6	12.	15.	8	118

40-9999

*See Instruction 2 (*f*) on other side,

M D

(Signed) John R Wardle

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Kirkwhelpington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 580 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·04	Tr.		·01				·21	·01					1
2			·10					·33				·19		2
3	·01	·01		·09						·13		·25		3
4	·15		·03							·17	·07	·97		4
5	·02	·03	·13		·14	·01		1·07	·07	·16	·2	·04		5
6			·19	·14	·26	·06			·02	·07	·35			6
7	·05	·11	·03	·04	·06	·22				·06		·21 }		7
8	Tr		·2	Tr	·86	·05			·02	·09				8
9	·01			·62					·14	·04	·78			9
10			·65	·3				·56			·84			10
11	·04		·81	1·05				·03		·01	·01	·13		11
12		Tr	1·31	·53			·21	·33			·19	·16		12
13	·42		·14		·04	Tr	1·05	·04	·01	·01				13
14	·39		·23	·01	·02	·01	·19			·07	·02	·2		14
15			·05	·09	·32			·06		·45	·05	·25		15
16	·18		·11		·02					·01	·11			16
17	·25		·05	·01	·09				·17	·09	·03	·22		17
18	·53		·03		·21	·04	·51	·07				·07		18
19			·19	·68	·25	·06	·06			·02	·02			19
20					·07	·12		·36		·03				20
21	·01			·01		·78		·08	·09	Tr.	·01			21
22			·03	·01		·53	·01	·04	·42	·01	·05	·03		22
23			·04	·14			·2	·03		·12		·16		23
24		·02		·01	·06	·06	·01			·68		·04		24
25	·03	·03		·08			·01		·29	·1		·65		25
26	·01		·02	·1		·12	·07		·09	·41		·02		26
27		·41	·12	·72 }		·03	·11			·09		·11		27
28		·01						·29				·24		28
29	·01			·02			·18	·34	·47	·42		·14		29
30	·13	×							·16	1·36		·16		30
31		×		×		×		·11	×	·34	×	·01		31
TOTAL	2·28	·62	4·46	4·66	1·6	2·09	2·61	3·95	1·96	4·94	2·73	4·25	Year's Total 36·15 ✓	
*Days with ·01 in. or more.	17	7	20	20	13	13	12	16	13	24	14	21	190	
*Days with ·04 in. or more.	10	2	15	13	11	10	9	14	9	18	9	18	138	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) John R Wardle

[P.T.O.

3584

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at KIRKWHELPINGTON
in the County of Northumberland
Diameter of Funnel of Gauge 5" in.
Height of top of Gauge above Ground 1 ft. 3 in.
" Ground " Sea Level 580 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·45	·03	·4	·01			·13		·34	·02		·27	1
2	Tr	·01	·14			·13					·02		2
3		·13	·13	·11		·28	·02				·21		3
4			·04			·45				·27	·09		4
5	·24	·18	·1			·06			·1				5
6	·15	·01		·2		·4				·16	·07		6
7	·24			·03		}				·06	·14	·05	7
8				·19		·19}				·05	·01	·01	8
9	·02	·01		·41		·08				·28	·02	·07	9
10	·01	·07	·01	·2		·13				·1	·3		10
11	·4	·03		·06		·01		·17		·03	·02	·05	11
12		·06		·01	·01	·03				·01			12
13	·11	·05		·05	·33	·02	·06		·07	·03			13
14			·07	·05		·03					·2	·03	14
15	·01	·23		·28	·13	·41		·05	·3	·3	·02	·29	15
16		·51	·09	·59	·52	·01	·05	·37	·97	·01	}	·03	16
17		·01		·24	·05	·12	Tr.	·56	·04	·04	·16}	·02	17
18	·02	·23		·03		·26	·07	·46	·18	·55	·02		18
19	·01	·08		·11		·21	·42		·08	·06	·02		19
20		·16	Tr	·35		·08	·01				·05		20
21				·25					·79	·33	·19		21
22		·26	·13	·34					·04		·07		22
23	·06		·01	·03			·01	·07		·23			23
24	·1	1·06	·05	·04			·36		·35			}	24
25	·08	·05				·04					·25	·46}	25
26	·05			·01	Tr	·09		·7		·11	·03	·28	26
27	·16	·08							·1	·06	·02	·09	27
28	·02			·01	Tr	Tr		·09	·26	·01	·14		28
29	Tr		·16			·05		·01	·3	·04	·09	·08	29
30		×	·01			·1		·25	·2	·61	·24	Tr	30
31		×		×		×			×	·09	×	·23	31

	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	YEAR'S TOTAL
TOTAL	2·13	3·25	1·34	3·6	1·04	3·18	·77	2·73	4·12	3·45	2·36	1·96	29·93
*Days with ·01 in. or more.	17	20	13	23	5	23	8	10	15	23	24	15	196
*Days with ·04 in. or more.	11	14	10	16	4	17	5	9	15	17	14	10	142.

40-9999

*See Instruction 2 (*f*) on other side.

M.

(Signed) John K Wardle

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Kirkwhelpington

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·83	·16	·62	–	–	·27	·17	·59	·32	–	–	·01		1
2	·03	TR	·07	–	–	–	·35	·04	·18	–	·01	·02		2
3	·07	–	–	–	–	·76	·07	·01	·37	–	–	·02		3
4	·12	–	–	–	·02	·02	–	·27	·34	·01	·01	·15		4
5	·58	–	·01	–	·01	–	–	·04	–	–	·08	–		5
6	·17	–	–	·01	·01	–	·07	·17	·45	–	·26}	–		6
7	·03	–	·17	–	–	–	·34	–	·05	–		·01		7
8	·20	–	–	–	–	–	–	–	–	·05	·01	–		8
9	·68	–	·49	–	–	·08	·89	·01	·16	–	·23	–		9
10	·18	–	–	·08	–	–	TR	·14	–	·13	·01	tr		10
11	–	–	–	·21	–	·05	·09	–	–	–	1·25}	·14		11
12	TR	–	–	·23	·01	·07		·07	1·09	–		·06		12
13	–	–	–	·26	–	–	–		tr	·09	·05	·56		13
14	–	–	–	·10	–	·29	·02	·04	·16	–	·02	·46		14
15	–	–	–	·16	·18	·01	·09	·11	·01	·01	–	–		15
16	·02	–	–	·02	–	TR	·01	–	–	·04	·38	tr		16
17	·07	·26	–	–	·14	–	·20	–	–	·15	·75	·24		17
18	–	·13	–	·06	–	–	·09	·05	–	·25	–	·13		18
19	·02	·14	·02	–	–	–	·16	–	–	–	–	·11		19
20	·13	·12	–	·01	–	–	·07	·02	–	–	–	·04		20
21	·07	·03	·06	–	–	–	·26	–	–	·01	–	–		21
22	·09	·22	·04	–	·04	·09	·14	–	–	–	–	–		22
23	–	·01	·04	·11	·14	–	·57	–	tr	·26	·01	–		23
24	·03	·38	·01	·02	·66	–	·01	–	1·27	·59	–	·01		24
25	·31	TR	·05	·01	–	–	·04	–	·34	·05	TR	–		25
26	TR	·11	·01	–	–	–	–	–	·14	·30	–	–		26
27	–	–	·09	–	–	–	–	–	·22	·04	–	·01		27
28	·25	·77	TR	–	–	–	·10	–	–	·01	–	–		28
29	·79	·52	·20	–	·28	·66	·19	–	–	·18	–	–		29
30	·01	×	·02	–	TR	·01	·15	–	·07	·09	·04	–		30
31	·01	×	·27	×	·06	×	TR	–	×	–	×	·11		31
TOTAL	4·13	2·85	2·17	1·27	1·55	2·31	4·08	1·56	5·11	2·06	3·11	2·08	Year's Total 32·28	
* Days with .01 in. or more.	22	12	16	13	11	11	22	13	15	17	16 ~~14~~	16	184	
* Days with .04 in. or more.	14	10	11	8	7	8	19	10	13	13	~~8~~ 10	10	133	

40-9999.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Kirkwhelpington

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	–	·17	–	–	·11	–	–	·09	·12	·38	·03		1
2	·08	·34	·01	·29	–	·13	–	–	·01	·01	–	·19		2
3	·01	·17	·02	·04	·41	·17	·30	–	·06	–	–	–		3
4	·21	·01	·15	·08	–	·03	·08	·25	·01	–	–	·02		4
5	·11	·01	–	·02	·14	–	·18	·05	·52	–	–	·79		5
6	·03	·07	·29}	·11	·07	·03	·18	–	·12	–	·07	·05		6
7	–	·26		·31	·07	·03	–	–	·09	·01	·07	·41		7
8	–	·31	–	·12	–	–	·18	–	–	·05	·10	·37		8
9	–	·16	–	·09	–	–	·22	–	–	–	–	·04		9
10	–	·10	·05	·01	·19	·01	·20	–	–	–	–	·25		10
11	–	–	·39	–	–	·07	–	–	–	–	–	·53		11
12	·19	–	·09	·09	·04	–	–	·31	·15	–	–	–		12
13	–	·44}	–	–	·02	·01	–	·11	·06	–	–	·05		13
14	–		–	–	–	·24	–	·46	·08	–	–	–		14
15	·07	–	–	·27	–	–	·54	–	·08	–	–	·03		15
16	·15}	·13	·38	·21	–	·06	–	·16	·05	–	–	–		16
17		·09	·28	·01	·12	–	–	–	1·25	–	–	–		17
18	–	·01	·02	·04	–	·03	–	·01	–	–	·12	–		18
19	–	·13	–	·06	–	·07	–	·12	·13	–	·44	·01		19
20	·09	–	–	·13	·85	·12	–	–	·02	·02	–	·02		20
21	·05	–	–	·11	·36	–	·55	–	–	·25	–	·03		21
22	–	·01	–	–	·10	·03	·09	–	–	·08	–	·03		22
23	·39}	–	·24	–	·02	–	·08	–	–	·52	–	–		23
24		·09	–	–	·07	–	–	–	·08	·34	–	·01		24
25	·15	·41	–	–	·07	–	·25	·06	–	·25	–	–		25
26	·04	–	·01	–	·56	·06	–	–	–	·01	·01	·03		26
27	·01	·50	–	·04	–	–	·02	–	·02	·36	·02	·03		27
28	·23	–	–	–	–	–	–	–	–	·51	·04	·03		28
29	·97}	–	–	–	–	–	–	·10	–	·29	·02	·06		29
30		☒	–	–	–	·05	–	·49	·08	·01	·01	·03		30
31		☒	–	☒	–	☒	–	·45	☒	·22	☒	–		31
													Year's Total	
TOTAL	2·83	3·24	2·10	2·03	3·09	1·25	2·87	2·$\overset{5}{2}$7	2·90	3·05	1·28	3·04	30·25 ✓	
* Days with .01 in. or more.	17	18	13	18	15	17	13	12	18	16	11	22	190 ✓	
* Days with .04 in. or more.	14	14	9	15	13	10	12	11	13 4	121	7	10	140 ✓	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

letter written 6/39 GB

Kept at Kirkwhelpington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 3 in.

,, Ground ,, Sea Level 581 ft.

Query sent re – June, July, August.

Copy by B.R.O.

observer agrees to change of entries on July 5th & 25th & Aug. 24th

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·23				·32	·14	–	·02	–	–	·33		1
2	–	–		·02			·03	–	·16	·18	·24	–		2
3	·04	·01				·12	·08	–	·23	·27	·01	–		3
4	·02	·01		·05		·02	·06	–	–	·39	·12	·55		4
5	–	·09					·71	·07	·08	·05	–	·07		5
6	–	–				·03	·02	–	–	·25	·04	·01		6
7	·33	–					·01	·03	·05	·03	·28	–		7
8	·03	–					–	–	–	·66	·57	·25		8
9	·07	·02			·27	·04	·15	–	–	·09	–	x ·47 }		9
10	·03	–				·14	·02	–	–	·08	–	✓ }		10
11	·05	–			·02	·10	·03	·10	–	·12	·14	·07		11
12	·09	·04			·04		–	·07	–	·27	·22	–		12
13	·07	–			·02		·02	–	·08	·04	·18	·20		13
14	·14	·08			·18		–	–	–	·05	–	·05		14
15	x ·52 }	·03	·14		·02		·01	·14	–	·06	–	·41		15
16	x }	–	·01		·01		·04	·03	·32	·15	–	·11		16
17	·02	–	·05				–	·08	·05	·68	·01	–		17
18	–	·02	·03			·10	–	·05	·10	·14	·22	·04		18
19	·01	–	·34		·01	·03	–	·13	–	–	·03	·19		19
20	·04	–	·37			·09	·01	–	·01	–	–	·06		20
21	–	–			·03		–	–	–	–	·14	·11		21
22	·01	–			·02		–	·01	–	–	·25	·17		22
23	·01	–		·02	·05	·21	–	·04	·03	–	·34	·22		23
24	·06	–	·06			·01	–	·80 ~~·08~~	·04	·36	·03	·14		24
25	–	–			·14		·51	·10	–	·29	·22	·11		25
26	·01	·31	·06		·05	·09	–	–	–	·17	–	–		26
27	·09	·07	·01			·06	·06	·06	·01	·03	·03	·01		27
28	✓ ·38 }	·02			1·01	·14	–	–	–	✓ ·04 }	·04	–		28
29	✓ }	✕			·21	·02	·04	·01	–	✓ }	·03	·03		29 wp
30	·11	✕		·02			–	·04	·01	·04	·16	TR		30 low GB
31	·37	✕	·01	✕	·46	✕	–	·59	✕	·14	✕	1·00		31 3/4/39
TOTAL	2·60	·93	1·08	·11	2·54	1·52	1·94	~~3·13~~ [illegible]·35	1·19	4·61	3·30	4·60	Year's Total 26·67	✓
* Days with ·01 in. or more.	24	12	10	4	16	16	17	17	14	~~24~~ 25	21	~~24~~ 23	199	✓
* Days with ·04 in. or more.	~~15~~ 14	6	6	1	9	11	9	13	9	21	15	19	134	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

P.T.O.

D

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations
Station No. 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Kirkwhelpington
in the County of northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 3 in.
,, Ground ,, Sea Level 581 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	–	·25	–	·01	–	} –	·07	·04	·39	·03	} ×		1
2	·17	–	–	–	–	–	} ·26	·29	·92	·03	·02	} ·11		2
3	·24	–	·04	·01	–	–	·07	·25	·18	–	·05	·12		3
4	–	TR	·29	TR	–	–	·12	} –	–	tr	·22	–		4
5	–	–	·07	–	·07	–	·24	×	·03	·52	·39	·33		5
6	·02	–	tr	–	–	–	·66	} ·83	–	–	·05	·01		6
7	·13	·01	·13	–	·15	–	·02	×	·04	–	·01	·04		7
8	·65	·19	·16	·11	–	–	·05	×	–	·19	·04	·48		8
9	·13	·07	–	–	–	·01	·37	·29	·04	1·90	·05	·02		9
10	·03	·03	·01	–	–	–	·07	·18	·12	·04	·09	–		10
11	·37	·03	·32	–	·02	·19	–	·05	–	·01	·09	·02		11
12	–	·06	–	–	–	–	·05	·01	·01	1·49	·04	–		12
13	–	TR	·01	TR	·22	·03	·01	–	–	·83	·01	·01		13
14	·84	–	–	·06	·11	·39	·21	–	–	·18	·13	–		14
15	·30	·03	tr	·03	·03	·49	·06	–	–	·05	·03	·02		15
16	·38	·02	·13	·01	·22	–	·01	–	–	–	·01	–		16
17	·65	·04	–	·04	·03	–	–	–	–	tr	·15	·01		17
18	1·17	–	·07	–	–	·02	·08	–	–	·05	·75	–		18
19	·22	·03	–	–	–	·18	–	·12	–	–		·02		19
20	·02	–	–	–	·02	·01	·01	·14	–	–	·01	–		20
21	·07	–	·05	·13	·01	–	–	–	–	–	Tr	·01		21
22	·21	·37	·03	·02	–	–	·05	–	–	·02	·09	–		22
23	·03	·18	·14	·31	–	·06	–	–	–	–	·01	·03		23
24	–	·01	·25	·42	–	·03	–	–	–	·01		–		24
25	·30	·32	·07	·02	–	–	–	·06	–	–	·58	·03		25
26	·08	TR	·11	–	–	·02	–	·15	·09	–	·07	–		26
27	·03	·31	1·45	–	–	·34	·09	·01	–	·21	·01	·06		27
28	·03	·08	·98	·07	–	·20	·21	·25	–	–	·31	–		28
29	·01		·05	·02	–	} –	} ×	–	–	·83	·09	·09		29
30	–	×	·01	·01	–	} ·14	·76	·10	·01	·22	·59	–		30
31	–	×	tr	×		×	} ×	–	×	·14	×	·01		31
TOTAL	6·16	1·78	4·62	1·26	·89	2·11	3·40	2·8	1·48	7·11	3·92	1·42	Year's Total 36·95	
* Days with .01 in. or more.	24	16	21	14	11	14	~~16~~ 22	1~~3~~8	7	18	2~~8~~7	1~~8~~9	21~~0~~1	
* Days with .04 in. or more.	17	9	17	7	5	8	~~4~~18	~~2~~ 15	3	14	18	7	138	

Pent

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3584

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Kirkwhelpington
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. 3 in.
,, Ground ,, Sea Level 581 ft.

March total corr: for arith:

BRITISH RAINFALL ORGANIZATION

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	–	·02	·01	–	·02	–	–	–	·73	·03		1
2	–	·03	–	·09	–	–	·02	–	–	19	x	·12		2
3	·01	·33	–	·14	–	–	tr	–	–	–	–	·02		3
4	–	·48	–	·01	–	–	·04	–	–	–	·02	·20		4
5	–	·03	–	–	·21	–	–	–	–	12	·19	·75		5
6	·08	·04	–	–	–	–	x	–	–	·12	·20	·69		6
7	·25	·17	–	·04	·11	–	·22	·01	·14	·02	–	·01		7
8	–	–	·01	–	–	–	·01	·21	·01	·05	·14	·09		8
9	–	·01	·33	–	–	–	·46	–	–	·22	·24	·01		9
10	·01	·07	·01	–	·01	–	·89	·02	tr	–	·37	–		10
11	–	·08	·75 ✓	–	–	–	·45	–	·03	–	·68	·01		11
12	·01	–	·91	–	–	·01	–	–	·03	–	–	·04		12
13	–	·15	–	·01	–	–	·32	–	·01	–	·15	–		13
14	–	·09	·08	·02	–	–	1·20	·02	·04	–	tr	·18		14
15	·06	·09	–	–	·02	–	–	–	–	–	·13	–		15
16	·17	–	–	–	–	–	·45	–	1·09	34	·03	·04		16
17	–	–	·18	–	–	–	1·18	–	1·10	06	·81	·01		17
18	–	·01	28	·05	–	–	·11	03	·14	–	·04	·22		18
19	–	·04	·05	·05	–	–	–	·01	·35	·02	·05	·01		19
20	–	·04	·05	·02	–	–	·11	·41	–	·03	·06	–		20
21	·29	·01	·11	·21	–	·37	–	·01	–	·32	–	01		21
22	–	–	·11 ✓	·01	·13	·17	·01	·01	27	·71	·04	–		22
23	·03	·06	x	·32	·04	–	·28	–	05	·01	·13	·03		23
24	·05	·01	–	·04	–	–	·01	–	–	04	–	06		24
25	–	–	–	–	·34	·02	·75	–	–	–	·01	–		25
26	·16	·09	–	·04	·12	–	·83	·13	–	03	–	–		26
27	–	·21	–	–	–	–	·04	–	·01	06	·02	–		27
28	·10	·09	·15	02	·01	–	–	·03	–	tr	–	·01		28
29	·09	–	·17	01	–	·05	·01	–	–	·04	–	·23		29
30	·04	✕	–	·01	·01	–	–	–	–	·11	–	–		30
31	·25	✕	·41	✕	–	✕	–	·01	✕	·12	✕	·54		31
													Year's Total	
TOTAL	1·60	2·13	3·6~~5~~0	1·11	1·01	·62	7·41	·90	3·27	2·61	4·04	3·31	31·6~~1~~4	
* Days with .01 in. or more.	15	21	16 ~~15~~	18	11	5	2X2	12	13	19	20 ~~19~~	22	19~~2~~4	
* Days with .04 in. or more.	11	15	13	9	6	3	15	3	8	14	15	12	124	

·64

† Spare column, no entries required

(*Signed*) J. R. WARDLE Esq. [P.T.O.

* See Instruction 3 (f) on other side.

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3585

Section **A** for the entry

AIR MINIST

COPY FOR OFFICIAL USE.

L ORGANIZATION.

FORM 1090.

REGIS

Kept at MORPETH

in the County of NORT

Diameter of Funnel of Gauge

Height of top of Gauge above Gro wards 1 ft.

,, Ground ,, Sea

THE MORNING MEAS

An observer who does not conform *ollowing*

year in the space on the right of

Jan. 1, following

3585

MORPETH, HIGH STANNERS

1931 —— 40

780702

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·01	tr	·04	—	tr	·01	tr	—	·50	·10	tr	tr	1
2	tr	·05	·01	·75	~~nil~~	·62	tr	—	·05	tr	tr	·21	2
3	·14	·04	—	·01	—	·03	·17	—	·08	—	·33	·08	3
4	·03	·03	—	tr	—	·04	·01	—	·64	tr	·11	·02	4
5	tr	·05	tr	—	·19	·09	·22	·07	—	—	tr	·46	5
6	tr	·20	·16	—	—	·74	·29	·26	·07	·16	—	tr	6
7	—	·02	·08	—	·11	·10	tr	·05	—	tr	·17	·02	7
8	·04	·01	·16	tr	·05	·22	·70	·18	tr	·01	·06	tr	8
9	·02	·09	·05	·01	·12	·10	·05	·19	tr	·04	·27	·04	9
10	tr	tr	·14	—	·10	·16	·05	tr	·06	tr	·05	—	10
11	·02	·16	—	·03	—	·01	·18	—	·02	·01	·04	tr	11
12	·20	—	—	·04	—	·07	·11	·10	·01	·03	tr	tr	12
13	·03	—	·22	—	·08	·09	·15	·01	—	—	—	—	13
14	·03	·05	·01	·03	·08	·61	·06	·47	tr	tr	·18	·05	14
15	—	·03	—	·16	·01	·15	—	·09	tr	—	·01	·01	15
16	·01	·28	—	·06	—	—	·07	·33	·10	—	tr	—	16
17	—	·03	—	·44	—	·06	·31	·83	tr	·04	·24	tr	17
18	·32	tr	—	·14	—	·06	·07	tr	·05	—	·93	tr	18
19	·04	·01	—	—	—	—	·05	·48	·03	·04	tr	·01	19
20	tr	·12	—	tr	tr	—	·01	—	·03	tr	·02	·01	20
21	·09	tr	—	·03	—	—	tr	·05	tr	—	tr	—	21
22	·03	·04	tr	·28	·10	—	·03	tr	tr	tr	·05	·01	22
23	·08	tr	—	·15	·26	·31	·01	·01	·04	·19	·46	—	23
24	—	·01	—	·36	·43	—	tr	tr	·01	·13	·02	—	24
25	tr	—	—	·49	·03	—	·15	—	—	tr	tr	—	25
26	—	—	tr	·04	·04	—	·08	—	—	tr	·55	—	26
27	·09	·01	·21	·15	—	—	tr	—	—	·17	·13	·01	27
28	·15	·13	—	·10	·49	—	—	—	tr	—	·02	tr	28
29	·84	×	·03	—	·03	—	·13	—	·01	·31	·06	·25	29
30	·01	×	—	·01	·30	·02	—	—	tr	tr	·01	—	30
31	·24	×	—	×	·12	×	·09	—	×	·01	×	—	31
TOTAL	2·42	1·36	1·11	3·28	2·54	3·49	2·99	3·12	1·70	1·24	3·71	1·18	YEAR'S TOTAL 28·14
*Days with ·01 in. or more.	20	19	11	19	17	19	22	14	15	13	20	13	202
*Days with ·04 in. or more.	11	11	8	13	14	15	18	12	9	9	15	6	141

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Robert Matheson.

P.T.O.

3585

Section **A** for the entry COPY FOR OFFICIAL USE.

AIR MINIST METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931 .

Kept at MORPETH

in the County of NORTHUMBERLAND.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ~~1~~ ft. 6 in. until March 27th, afterwards 1 ft.

,, Ground ,, Sea Level 90 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·01	tr	·04	—	tr	·01	tr	—	·50	·10	tr	tr	1
2	tr	·05	·01	·75	~~nil~~	·62	tr	—	·05	tr	tr	·21	2
3	·14	·04	—	·01	—	·03	·17	—	·08	—	·33	·08	3
4	·03	·03	—	tr	—	·04	·01	—	·64	tr	·11	·02	4
5	tr	·05	tr	—	·19	·09	·22	·07	—	—	tr	·46	5
6	tr	·20	·16	—	—	·74	·29	·26	·07	·16	—	tr	6
7	—	·02	·08	—	·11	·10	tr	·05	—	tr	·17	·02	7
8	·04	·01	·16	tr	·05	·22	·70	·18	tr	·01	·06	tr	8
9	·02	·09	·05	·01	·12	·10	·05	·19	tr	·04	·27	·04	9
10	tr	tr	·14	—	·10	·16	·05	tr	·06	tr	·05	—	10
11	·02	·16	—	·03	—	·01	·18	—	·02	·01	·04	tr	11
12	·20	—	—	·04	—	·07	·11	·10	·01	·03	tr	tr	12
13	·03	—	·22	—	·08	·09	·15	·01	—	—	—	—	13
14	·03	·05	·01	·03	·08	·61	·06	·47	tr	tr	·18	·05	14
15	—	·03	—	·16	·01	·15	—	·09	tr	—	·01	·01	15
16	·01	·28	—	·06	—	—	·07	·33	·10	—	tr	—	16
17	—	·03	—	·44	—	·06	·31	·83	tr	·04	·24	tr	17
18	·32	tr	—	·14	—	·06	·07	tr	·05	—	·93	tr	18
19	·04	·01	—	—	—	—	·05	·48	·03	·04	tr	·01	19
20	tr	·12	—	tr	tr	—	·01	—	·03	tr	·02	·01	20
21	·09	tr	—	·03	—	—	tr	·05	tr	—	tr	—	21
22	·03	·04	tr	·28	·10	—	·03	tr	tr	tr	·05	·01	22
23	·08	tr	—	·15	·26	·31	·01	·01	·04	·19	·46	—	23
24	—	·01	—	·36	·43	—	tr	tr	·01	·13	·02	—	24
25	tr	—	—	·49	·03	—	·15	—	—	tr	tr	—	25
26	—	—	tr	·04	·04	—	·08	—	—	tr	·55	—	26
27	·09	·01	·21	·15	—	—	tr	—	—	·17	·13	·01	27
28	·15	·13	—	·10	·49	—	—	—	tr	—	·02	tr	28
29	·84	×	·03	—	·03	—	·13	—	·01	·31	·06	·25	29
30	·01	×	—	·01	·30	·02	—	—	tr	tr	·01	—	30
31	·24	×	—	×	·12	×	·09	—	×	·01	×	—	31
TOTAL	2·42	1·36	1·11	3·28	2·54	3·49	2·99	3·12	1·70	1·24	3·71	1·18	YEAR'S TOTAL 28·14
*Days with ·01 in. or more.	20	19	11	19	17	19	22	14	15	13	20	13	202
*Days with ·04 in. or more.	11	11	8	13	14	15	18	12	9	9	15	6	141

40-9999

(Signed) Robert Matheson.

P.T.O.

*See Instruction 2 (*f*) on other side.

3585

Section **A** for the entry of Daily Observations. STATION No. 3585. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at MORPETH.
in the County of NORTHUMBERLAND.
Diameter of Funnel of Gauge 8 in.
Height of top of Gauge above Ground 1 ft. 0 in.
,, Ground ,, Sea Level 90 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·05	—	—	·01	·02	—	—	—	·06	·11	·01	·09	1
2	·02	tr	—	·01	·37	—	·05	tr	·16	·17	·08	·10	2
3	tr	·01	—	·26	·01	·03	·01	—	·11	·03	tr	·03	3
4	·01	tr	—	·02	·10	tr	·40	·02	·03	—	—	·01	4
5	·02	tr	·06	—	·11	—	—	—	·11	tr	tr	·02	5
6	·02	—	·01	·04	·02	—	—	—	·04	·04	—	·07	6
7	—	—	·24	·04	—	—	—	—	·22	·14	·01	—	7
8	tr	·07	·02	·07	·04	—	—	—	·22	·30	—	·01	8
9	·13	·09	tr	·35	—	—	—	—	·04	·11	·06	·08	9
10	·03	·05	·10	·15	tr	—	—	—	·18	·35	tr	·13	10
11	—	·05	·03	·08	·31	·02	·32	—	—	tr	·01	—	11
12	·11	·01	—	—	·24	—	·07	—	—	·09	·03	—	12
13	·09	·08	tr	·04	·15	—	·01	·04	·15	tr	tr	·19	13
14	·02	tr	—	·08	—	—	tr	tr	tr	tr	·03	·01	14
15	·03	—	—	tr	·08	—	tr	—	—	·04	·16	·01	15
16	·59	—	·04	—	—	tr	—	—	—	·05	·05	·06	16
17	tr	—	—	·02	·02	—	·05	·01	—	·39	·01	·22	17
18	—	tr	—	—	·02	—	—	tr	—	tr	—	tr	18
19	tr	·01	·04	·03	·06	tr	—	tr	—	·20	—	·01	19
20	—	—	·42	·01	·28	—	—	·29	—	·14	tr	·03	20
21	—	—	·29	—	·70	—	·38	·87	—	·61	·03	—	21
22	—	tr	·34	·09	—	—	·07	—	—	·01	·10	·01	22
23	tr	·05	tr	·14	tr	—	tr	—	·07	tr	—	—	23
24	tr	·11	—	·02	·05	tr	·22	—	·07	·02	tr	—	24
25	—	·01	—	—	·07	tr	—	·06	·05	·11	·03	tr	25
26	tr	·02	—	—	·12	—	·49	tr	·60	·01	·01	—	26
27	—	—	·55	·12	·05	·52	·39	—	—	·37	tr	tr	27
28	tr	—	—	·14	·45	·04	tr	—	—	·09	—	tr	28
29	tr	—	·40	·01	tr	·07	·30	·35	·01	·28	·06	·09	29
30	tr	X	·03	tr	tr	·19	·08	·02	·94	·14	·06	·01	30
31	tr	X	·01	X	—	X	·02	·07	X	—	X	·03	31
TOTAL	1·12	·56	2·58	1·73	3·27	·84	2·86	1·73	3·06	3·80	·74	1·21	YEAR'S TOTAL 23·53
*Days with ·01 in. or more.	12	12	15	21	21	6	15	9	14	23	16	20	184
*Days with ·04 in. or more.	5	7	10	13	16	4	12	6	15	19	7	9	123

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) Robert Matheson.

P.T.O.

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations. Station No. 3585 3585

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Morpeth

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft 0 in.

" Ground " Sea Level 90 ft.

Ex Days

Observer informed of our estimation of Jan 17th. 9/4/34

Observer agrees. 20/4/34

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·01	—	·18	—	·06	tr	—	·01	—	tr	·05	·05		1
2	·23	·01	·13	—	—	·05	—	—	—	—	1·05	·03		2
3	·16	·03	·43	—	·05	—	—	—	—	·01	·30	—		3
4	·09	·03	tr	—	·04	—	—	—	tr	—	tr	—		4
5	·09	·01	·01	—	·04	—	—	—	tr	—	·02	—		5
6	·01	·15	·04	—	·01	—	—	—	—	—	·02	·12		6
7	·01	·12	tr	tr	·04	—	—	—	—	1·08	tr	·02		7
8	tr	·04	·10	·01	·03	·15	·02	·01	—	·01	—	·09		8
9	tr	·15	—	—	·01	tr	·21	—	—	·41	·01	·07		9
10	tr	·17	tr	—	—	·08	·02	—	—	·07	·06	·05		10
11	nil	tr	tr	—	·10	tr	·01	tr	—	tr	·22	—		11
12	tr	—	—	—	·27	·24	—	—	—	—	tr	·09		12
13	nil	—	·03	—	·10	—	·23	·12	·01	·05	·10	·01		13
14	·20	—	·02	—	·04	—	·16	·05	—	·01	·17	·27		14
15	·15	—	·02	·09	—	·03	·11	·20	—	·06	·43	tr		15
16	·34	—	·09	tr	·18	·05	·23	·01	—	—	·08	tr		16
17	x ·35 ~~·20~~	·14	—	·15	tr	·19	—	·02	·05	—	·14	tr		17
18	tr	·10	·17	·08	—	·11	·02	·17	—	—	·32	·01		18
19	tr	·02	·04	tr	·01	·02	·13	·12	—	—	·08	—		19
20	tr	·02	—	—	·01	—	—	tr	·32	·17	·02	tr		20
21	tr	·01	—	·01	—	·08	—	·05	·03	·09	·06	·01		21
22	tr	·22	—	—	—	—	—	·01	—	·77	tr	·01		22
23	nil	·08	—	tr	·05	·14	—	·07	·19	·02	·07	tr		23
24	tr	·48	—	·37	·12	·03	·07	·01	·09	·12	·04	·03		24
25	nil	·53	—	·34	tr	—	tr	tr	·89	·62	·05	·02		25
26	·01	·92	—	·34	·24	—	—	—	tr	x	·04	·09		26
27	·04	·03	—	—	·03	—	·21	—	tr	x ·40	·23	·06		27
28	·05	—	—	·05	—	—	·02	1·09	·03	·52	·01	·07		28
29	tr	×	—	·21	—	—	·11	—	tr	·12	—	tr		29
30	·07	×	tr	·04	—	—	·14	—	·01	tr	—	·04		30
31	·10	×	—	×	—	×	·01	·05	×	—	×	·07	25·34	31
TOTAL	(1·91) ~~1·76~~ ?	3·26	1·26	1·69	1·43	1·17	1·70	1·99	1·62	4·53	3·57	1·21	Year's Total ~~25·19~~	?
*Days with ·01 in. or more.	16	20	12	11	19	12	16	15	9	18 ~~17~~ ?	23	20	190	?
*Days with ·04 in. or more.	12	12	8	9	13	9	10	9	5	14 ~~13~~ ?	18	12	130	?

40-9999 x estimated: some spilt. 14th Jany.

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Robert Matheson [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3585

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at MORPETH

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 90 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	–	–	tr	·05	tr	–	·34	–	–	tr	·08		1
2	–	·01	·02	tr	–	tr	–	·16	·22	–	tr	·15		2
3	tr	·01	–	–	–	–	–	–	–	·06	·10	·08		3
4	·04	–	tr	·05	–	–	–	tr	–	·19	·16	1·01		4
5	tr	–	·14	·04	·14	tr	–	·04	·22	·05	·33	·13		5
6	·08	–	·12	·05	·25	·10	·02	1·23	·03	·04	·36	·05		6
7	·01	·05	·04	·03	·11	·04	–	–	–	tr	tr	·18		7
8	tr	–	·21	tr	·06	tr	–	·03	·02	·05	tr	·01		8
9	–	·01	·02	·94	–	–	–	·01	·03	·02	·85	·01		9
10	–	–	·68	·33	–	–	–	·63	tr	·05	·62	tr		10
11	·10	–	·41	1·28	–	–	–	–	–	tr	·11	·04		11
12	tr	–	·82	·51	·03	–	·56	·28	tr	–	·10	·10		12
13	·33	tr	·04	–	·03	·01	1·43	·02	·01	·02	·09	tr		13
14	·21	–	·24	·03	·01	–	–	·01	·03	tr	tr	·15		14
15	·01	tr	·03	–	·29	tr	·16	·03	·11	·42	·05	·12		15
16	·13	–	·08	–	·02	–	–	–	–	·04	·12	–		16
17	·04	–	·04	–	tr	–	·34	–	·13	·04	tr	·25		17
18	·53	–	tr	·05	·22	·09	·56	·01	tr	–	–	·05		18
19	–	–	·21	·55	·04	·04	·01	tr	·09	·03	·03	tr		19
20	–	–	·23	–	·01	·04	tr	·08	tr	·01	tr	tr		20
21	·01	–	–	–	–	·80	tr	·04	·10	·03	–	tr		21
22	–	·01	–	tr	–	·62	–	·05	·26	tr	·04*	·08		22
23	–	–	·12	·13	tr	–	·18	tr	tr	·14	·02	·11		23
24	–	tr	–	·04	~~·8~~ ·03	·02	tr	·01	·02	·49	–	·08		24
25	tr	·01	tr	·05	tr	–	·02	·01	·20	·14	–	·94		25
26	·02	tr	–	·95	–	·11	–	–	·01	·25	–	tr		26
27	–	·24	tr	·33	–	·01	–	tr	~~tr~~ –	·04	–	·09		27
28	–	–	tr	·45	–	–	–	·18	–	tr	–	·47		28
29	–	×	·10	tr	–	–	·18	·18	·41	·26	–	·10		29
30	·11	×	–	–	–	–	·14	tr	·08	1·56	–	·12		30
31	·10	×	–	×	–	×	–	·02	×	tr	×	·10		31
TOTAL	1·80	·34	3·85	5·84	1·29	1·94	3·93	3·36	1·94	4·05	3·01	4·56	Year's Total 36·00	
*Days with ·01 in. or more.	15	4	18	14	14	11	11	20	14	21	14	24	189	
*Days with ·04 in. or more.	11	2	15	15	8	8	8	11	10	16	12	22	138	

40-9999 * Nov. 22nd: ·06 + a little spilt. † Spare column, no entries required.

*See Instruction 2 (*f*) on other side. (*Signed*) Robert Matheson [P.T.O.

3585

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Morpeth

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 90 ft.

STN. NO. 3585.

FILE NO. 94439/31.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·32	·02	·21	·06	–	–	·08	–	·42	tr	tr	·05	1
2	tr	·08	–	·11	–	·11	–	–	·01	·81	tr	–	2
3	–	·09	·10	·04	–	·19	·02	–	tr	–	·24	tr	3
4	–	–	·02	–	–	·44	tr	–	–	·29	·12	tr	4
5	·16	·13	·09	·05	–	·09	·03	–	·20	·09	·04	·01	5
6	·11	·02	·01	tr	–	·36	–	–	–	·30	·01	–	6
7	·15	tr	–	·40	–		–	–	–	·15	·31	·04	7
8	–	tr	·01	·16	tr	·01	–	–	–	·03	·01	tr	8
9	·01	·10	·01	·29	–	·02	–	–	–	·28	·46	·01	9
10	–	·02	–	·06	–	·04	tr	–	–	·05	·12	–	10
11	·11	–	–	·01	–	·04	–	·28	–	·03	·01	·04	11
12	tr	·03	–	–	tr	·05	–	–	–	–	tr	tr	12
13	·13	·02	–	·08	·34	tr	·04	–	·02	tr	tr	·03	13
14	tr	tr	·02	tr	–	·04	tr	–	·02	·02	·25	·12	14
15	tr	·08	–	·33	·16	·05	–	·05	·16	·08	·02	·05	15
16	tr	·25	·20	·38	·54	·14	·03	·21	·30	–	·62	·22	16
17	tr	·01	tr	·62	·10	·15	–	·06	·01	·05	1·10	·18	17
18	·10	·02	–	·01	–	·19	·01	·24	·11	·32	tr	·08	18
19	·06	·04	–	·05	–	·19	·25	tr	–	tr	tr	tr	19
20	tr	·05	–	·32	–	tr	tr	tr	tr	–	·05	–	20
21	–	–	·03	·86	–	–	–	–	·89	·36	·12	·01	21
22	–	·32	·03	·34	tr	–	–	–	·02	tr	·04	–	22
23	·02	·04	·04	·01	–	–	tr	·04	–	·13	·01	–	23
24	·08	·44	·05	·02	–	–	–	–	·39	tr	tr	·41	24
25	·11	·03	·01	–	–	·01	–	tr	–	–	·04	·03	25
26	·43	–	–	·03	–	·03	–	·49	·46	·15	–	·35	26
27	·22	·03	–	–	–	·02	tr	tr		·33	tr	·11	27
28	·03	·11	·01	–	–	–	–	tr	·01		·30	·01	28
29	–	×	·21	–	–	·01	–	·20	·20	·06		·08	29
30	–	×	tr	–	–	·14	–		·12	·43	·18	·08	30
31	–	×	–	×	–	×	–	–	×	·01	×	·35	31
TOTAL	2·04	1·99	1·08	4·29	1·14	2·35	·46	1·90	3·64	3·94	4·11	2·26	YEAR'S TOTAL 29·26
*Days with ·01 in. or more.	15	21	16	21	4	~~22~~	4	~~9~~	~~17~~	~~21~~	~~21~~	20	~~182~~ - 194
*Days with ·04 in. or more.	12	12	4	16	4	~~16~~	3	~~8~~	~~11~~	~~17~~	~~16~~	14	~~132~~ - 134

21 or 22
15 or 16

8 or 9
8 or 9

16 or 14
10 or 11

20 or 21
16 or 14

20 or 21
15 or ~~16~~

136

40-9999

(Signed) R. Matheson Jnr. P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3585.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Totals acc.

Kept at MORPETH

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 90 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.04	.09	.52	---	---	.04	.04	.34	.34	---	.02	---		1
2	.10	.09	.14	---	---	---	.15	.01	.02	---	---	.10		2
3	tr	.05	---	---	---	1.07	.08	.02	.24	---	---	.01		3
4	.46	tr	.04	tr	.01	.01	---	.31	.05	.01	.17	.09		4
5	.12	tr	tr	---	.04	tr	---	.07	.01	---	.05	tr		5
6	) ✗	---	---	.02	.01	---	.08	.54	.47	.01	.12	tr		6
7	) .21	---	.09	---	tr	---	.64	---	.03	---	.02	.01		7
8	.22	.01	.21	---	---	---	---	---	---	.10	.01	.01		8
9	.44	tr	.42	---	---	.09	.01	---	.09	.13	.19	tr		9
10	.12	tr	---	.04	---	---	.06	---	---	.01	tr	tr		10
11	tr	---	---	.09	---	.01	.01	.26	.01	---	.83	.03		11
12	.04	---	---	.33	.14	.02	.14	.39	.35	.01	.28	.08		12
13	~~nil~~	tr	---	.33	---	.01	.17	---	---	.06	.01	.56		13
14	---	---	---	.11	---	.33	) ✓	) ✗	.20	---	.01	.33		14
15	---	tr	tr	.24	tr	.02	) .24	) .41	.01	tr	.11	---		15
16	.03	tr	.01	tr	---	---	.01	---	---	.01	.54	.03		16
17	.09	.37	---	.03	.07	---	.17	tr	---	.03	.70	.24		17
18	tr	.03	---	.01	---	---	.01	.02	---	.17	tr	---		18
19	.59	.20	.02	---	---	---	.08	.01	---	.16	---	.04		19
20	.11	.12	.01	.02	tr	---	.07	tr	---	.03	tr	---		20
21	.02	---	---	tr	tr	---	.07	---	---	tr	.01	.01		21
22	.01	.34	.02	---	.08	.11	.03	---	---	tr	---	---		22
23	tr	.11	.02	.18	.23	.01	.37	---	---	.01	tr	.01		23
24	.04	.19	.01	tr	.85	---	---	---	1.11	.12	---	---		24
25	.18	---	.08	---	.01	---	.01	---	.06	tr	tr	tr		25
26	.01	.08	.35	---	---	---	.02	---	.09	.23	tr	---		26
27	---	.01	.02	---	.01	---	---	---	.08	.02	.01	---		27
28	.31	.63	tr	tr	tr	---	---	---	---	---	tr	---		28
29	.56	.91	.09	---	.15	.91	.16	---	---	.11	tr	tr		29
30	.01	✗	tr	---	tr	tr	.19	---	---	.10	tr	---		30
31	tr.	✗	.10	✗	tr	✗	---	---	✗	---	✗	.10		31
TOTAL	3.71	3.23	2.15	1.40	1.60	2.63	2.81	2.38	3.16	1.32	3.08	1.65	Year's Total 29.12	
* Days with .01 in. or more.	22	15	17	11	11	12	24	12	16	18	16	15	189	
* Days with .04 in. or more.	17	12	10	7	7	6	16	8	11	9	9	8	120	

40-9999.

† Spare column, no entries required.

(*Signed*) J. Matheson, Jnr. [P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3585.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1934.

Ask

Days

Kept at MORPETH

in the County of NORTHUMBERLAND.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 90 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·04	tr	·18	tr	—	·14	—	—	·19	·04	—	·10		1
2	·01	·23	—	·26	—	·14	—	—	tr	·01	—	·28		2
3	·01	·04	·01	·04	·09	—	·76	tr	—	—	—	}		3
4	·11	tr	·10	·01	tr	·18	—	·43	—	—	—	} ·52		4
5	·03	tr	·11	·04	·29	·02	·04	—	·48	—	—	·52		5
6	·01	·02	·08	—	·05	—	tr	—	·01	—	·16	}		6
7	tr	·23	·09	·24	·01	·04	·10	—	tr	·01	·04	}		7
8	—	·41	·03	·04	—	tr	·21	·01	—	—	tr	} ·44		8
9	tr	·03	⁑ ·50	tr	tr	tr	·15	·04	—	tr	·26	·20		9
10	—	tr	·02	—	·21	·01	·10	—	tr	—	·33	·14		10
11	tr	—	·82	·14	·04	·04	—	—	—	—	—	·73		11
12	·03	·25	1·28	·04	—	tr	—	·44	·06	—	—	·34		12
13	tr	·08	·02	·04	·04	·05	tr	·33	·01	—	tr	·28		13
14	—	tr	·03	—	tr	·48	—	·43	·01	—	—	·41		14
15	·14	·46	—	—	—	—	·01	—	·08	·01	tr	·34		15
16	·01	·04	·39	·70	—	·04	—	·04	·20	—	·05	·51		16
17	·16	·01	·19	·08	—	·03	—	·02	·62	—	—	·01		17
18	tr	·05	·02	·03	—	·04	·02	·10	—	—	·34	—		18
19	tr	·01	·01	} x	—	·03	—	·01	·03	—	·34	—		19
20	}	—	·04	} x	1·24	—	·13	tr	—	tr	—	}		20
21	} ·13	—	·01	} ·32	·45	tr	·32	tr	—	·03	—	} ·25		21
22	·01	—	·22	·05	·02	·11	·01	—	—	·06	·13	—		22
23	·25	—	—	—	·12	·05	·10	—	—	·55	—	—		23
24	·18	tr	tr	—	·19	—	·21	—	·06	·40	—	·02		24
25	·20	·44	—	—	—	—	—	·23	tr	·05	·06	—		25
26	·04	·18	·16	—	·42	—	—	—	·02	—	—	·01		26
27	tr	·84	·03	·04	—	·02	—	—	tr	·59	—	·02		27
28	·26	tr	—	—	—	·05	·01	—	—	·11	—	·06		28
29	·33	×	—	—	—	·03	—	·09	—	·06	·02	·08		29
30	·41	✕	—	—	—	·02	—	·36	·03	tr	·02	—		30
31	·59	✕	—	✕	tr	✕	—	·26	✕	·34	✕	·01		31
TOTAL	2·95	3·35	4·34	2·14	3·20	1·64	2·20	2·85	1·80	2·29	1·75	5·63	Year's Total 34·20	✓
* Days with .01 in. or more.	21	16	22	17	13	19	14	14	13	13	11	24	197	✓
* Days with .04 in. or more.	14	12	13	15	11	12	10	11	4	9	9	19	142	✓

⁑ Estimated: actual reading ·45. This was snow and some was lost.

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) R. Matheson Jnr.

[P.T.O.

MORPETH (HIGH STANNERS)

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3585

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at MORPETH

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 90 ft.

f 97439/31

rep late

Confirmation of August

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·02	x	—	—	—	1·62	·29	[illegible]	·02	tr	—			1 —
2	·09	·08	—	·02	—	·19	·14	~~·06~~	·06	·38	·11			2 —
3	·13	—	—	·01	—	·02	·01	[illegible]	·04	·48	·09			3 —
4	·13	—	—	—	—	—	·04	·02	—	·14				4 ·02
5	—	·06	·02	—	—	—	·13	·05	-	·02				5 ·05
6	·07	·01	—	—	—	·01	·15	tr	·08	·14				6 tr
7	—	—	—	—	—	—	·40	·01	·08	·03		(·60)		7 ·01
8	·27	—	—	—	—	—	·10	·01	—	·42	·55			8 ·01
9	·20	·01	—	—	·13	·09	·03	tr	—	—				9 tr
10	—	tr	—	—	—	·11	tr	tr	·06	·06		~~1·30~~		10 tr
11	✓	—	—	—	·15	·11	tr	—	—	·06				11 —
12	·04	x	—	—	·06	—	·02	·04	—	·18				12 ·04
13	·08	·34	—	—	x	—	·03	·03	·14	tr				13
14	·10	·01	—	—	·16	—	—	—	—	tr				14
15	·30	·10	—	—	·02	—	·08	·20	tr	·04				15
16	·20	tr	—	·01	·12	—	·21	tr	·21	·10				16
17	·01	—	—	—	·63	—	tr	·03	·01	·43				17
18	·03	—	—	—	tr	·04	—	—	·13	·09				18
19	—	·04	·09	—	·12	tr	·01	·08	·05	tr	·33			19
20	—	—	·25	—	—	·04	—	—	·19	—				20
21	—	—	—	tr	tr	—	—	·04	—	—				21
22	—	·04	·01	tr	·02	—	—	—	—	—				22
23	—	—	—	—	—	·13	—	—	tr	—				23
24	·01	·01	·01	—	tr	tr	·08	·64	·18	·29				24
25	tr	—	—	·02	·24	—	·40	·01	—	·22				25
26	—	·18	·02	—	·21	·14	·01	—	·01	·11	(70)			26
27	·05	·02	—	—	·34	·04	·18	·23	·02	·02				27
28	·24	—	—	—	·67	·35	·01	—	·11	—				28
29	—	X	—	·06	·39	—	·07	·16	—	·02				29
30	x	X	—	—	-	tr	tr	·02	·40	—				30
31	·25	X	—	X	·34	X	—	—	X	·11	X	3·85	~~3·0~~	31
TOTAL	2·25	·90	·40	·12	3·60	2·92	2·39	1·57	1·85	3·70	1·78 ~~1·08~~	4·45 ~~5·15~~	Year's Total 25·93	
* Days with .01 in. or more.	20	13	6	5	16	13	20	15	17	20				
* Days with .04 in. or more.	15	8	2	2	14	11	13	8	13	16				

rep late WH

† Spare column, no entries required.

(Signed) R. Matheson

* See Instruction 3 (f) on other side.

[P.T.O.

MORPETH (HIGH STANNERS).

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3585

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at MORPETH

in the County of NORTHUMBERLAND.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 90 ft.

Jan 16th-31st est'd from nearby stns.

f 9743/31

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1														1
2														2
3														3
4														4
5	·50													5
6														6
7	·11													7
8	·42													8
9	–													9
10	·16													10
11														11
12	·33													12
13														13
14														14
15	·16													15
16														16
17														17
18														18
19														19
20														20
21														21
22	(2·00)													22
23														23
24														24
25														25
26														26
27														27
28														28
29														29
30		☒												30
31		☒		☒		☒			☒		☒			31
TOTAL	3·68												Year's Total	
* Days with .01 in. or more														
* Days with .04 in. or more														

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) R. Matheson Esq.

[P.T.O.

3586.

Section **A** for the entry of I

AIR MINISTRY.

PY FOR OFFICIAL USE.

ORGANIZATION.

FORM 1090.

REGIST

3586

ASHINGTON, BOTHAL C. SCHL.

1931 — 40

780702

Kept at Ashington (B

in the County of Northumb

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Lev

THE MORNING MEASUR

An observer who does not conform to th
year in the space on the right of this

P

wing

Jan. 1, following

Date	Jan.	Feb.	March	A							Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	–	–	·06	–	–	·01	–	–	·43	·03	–	·02	1
2	–	·03	–	·80	–	·66	–	–	·13	·03	–	·06	2
3	–	·01	·02	·03	–	·02	·19	–	·07	–	·20	·23	3
4	·15	·05	–	–	–	–	–	–	·63	–	·06	·06	4
5	·01	–	–	–	·18	·02	·23	·23	·27	–	–	·33	5
6	–	·12	·03	–	–	·62	·03	·20	·07	·15	·01	–	6
7	–	–	·12	–	·20	·06	–	·04	–	–	·13	–	7
8	·05	·01	·02	–	·06	·11	·67	·18	–	–	·04	–	8
9	·02	·08	·05	·07	·11	·12	·05	·13	–	·02	·28	·06	9
10	–	–	·12	–	·11	·11	·06	–	·06	–	·04	–	10
11	·01	·16	–	·01	–	·01	·13	–	·02	–	·04	·02	11
12	·12	–	–	·01	–	·12	·18	·05	–	·04	–	–	12
13	·06	–	·17	–	·06	·02	·01	·01	–	–	–	–	13
14	·05	·06	·01	·03	·02	·45	·04	·35	–	–	·18	·06	14
15	–	·01	–	·16	–	·15	–	·14	–	–	·04	·02	15
16	·01	·21	–	·05	–	–	·06	·30	·08	–	–	–	16
17	–	·05	–	·27	–	·12	·31	1·03	–	–	·08	–	17
18	·30	–	–	·06	–	·03	·14	–	·08	·02	·67	·01	18
19	·03	·01	–	–	–	–	·11	·61	·02	·10	–	–	19
20	·01	·11	–	–	–	–	–	–	·01	–	·02	–	20
21	·06	–	–	·01	–	–	·01	·05	–	–	–	–	21
22	·03	·01	–	·47	·08	–	·01	–	·01	–	–	–	22
23	·02	·03	–	·10	·28	·25	·04	–	·08	·11	·46	·10	23
24	·04	–	–	·25	·38	–	–	–	·01	·19	·04	–	24
25	–	–	–	·50	·04	–	·13	–	–	–	–	–	25
26	–	–	–	·03	·02	–	·20	–	–	–	·54	–	26
27	·07	–	·13	·12	–	–	·02	–	–	·15	·26	·02	27
28	·17	02	–	·05	·38	–	–	–	·02	–	·02	–	28
29	·72	–	03	–	·02	–	·11	–	–	·3	·07	–	29
30	·03	×	–	·01	·22	02	–	–	–	·01	–	·26	30
31	·08	×	–	×	·21	×	·10	–	×	·01	×	·07	31
TOTAL	2·04	·97	·76	3·03	2·37	2·90	2·83	3·32	1·89	1·16	3·~~00~~18	1·32	YEAR'S TOTAL 25·~~59~~77
*Days with ·01 in. or more.	21	16	11	19	16	18	22	13	16	13	19	14	198
*Days with ·04 in. or more.	12	8	6	12	13	11	17	12	10	7	16	9	133

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) J. Gray

[P.T.O.

3586.

Section **A** for the entry of Y FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931 .

Kept at Ashington (Bothal C. School)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft in.

,, Ground ,, Sea Level 110 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·06	—	—	·01	—	—	·43	·03	—	·02	1
2	—	·03	—	·80	—	·66	—	—	·13	·03	—	·06	2
3	—	·01	·02	·03	—	·02	·19	—	·07	—	·20	·23	3
4	·15	·05	—	—	—	—	—	—	·53	—	·06	·06	4
5	·01	—	—	—	·18	·02	·23	·23	·27	—	—	·33	5
6	—	·12	·03	—	—	·62	·03	·20	·07	·15	·01	—	6
7	—	—	·12	—	·20	·06	—	·04	—	—	·13	—	7
8	·05	·01	·02	—	·06	·11	·67	·18	—	—	·04	—	8
9	·02	·08	·05	·07	·11	·12	·05	·13	—	·02	·28	·06	9
10	—	—	·12	—	·11	·11	·06	—	·06	—	·04	—	10
11	·01	·16	—	·01	—	·01	·13	—	·02	—	·04	·02	11
12	·12	—	—	·01	—	·12	·18	·05	—	·04	—	—	12
13	·06	—	·17	—	·06	·02	·01	·01	—	—	—	—	13
14	·05	·06	·01	·03	·02	·45	·04	·35	—	—	·18	·06	14
15	—	·01	—	·16	—	·15	—	·14	—	—	·04	·02	15
16	·01	·21	—	·05	—	—	·06	·30	·08	—	—	—	16
17	—	·05	—	·27	—	·12	·31	1·03	—	—	·08	—	17
18	·30	—	—	·06	—	·03	·14	—	·08	·02	·67	·01	18
19	·03	·01	—	—	—	—	·11	·61	·02	·10	—	—	19
20	·01	·11	—	—	—	—	—	—	·01	—	·02	—	20
21	·06	—	—	·01	—	—	·01	·05	—	—	—	—	21
22	·03	·01	—	·47	·08	—	·01	—	·01	—	—	—	22
23	·02	·03	—	·10	·28	·25	·04	—	·08	·11	·46	·10	23
24	·04	—	—	·25	·38	—	—	—	·01	·19	·04	—	24
25	—	—	—	·50	·04	—	·13	—	—	—	—	—	25
26	—	—	—	·03	·02	—	·20	—	—	—	·54	—	26
27	·07	—	·13	·12	—	—	·02	—	—	·15	·26	·02	27
28	·17	·02	—	·05	·38	—	—	—	·02	—	·02	—	28
29	·72	—	·03	—	·02	—	·11	—	—	·3	·07	—	29
30	·03	✕	—	·01	·22	·02	—	—	—	·01	—	·26	30
31	·08	✕	—	✕	·21	✕	·10	—	✕	·01	✕	·07	31
TOTAL	2·04	·97	·76	3·03	2·37	2·90	2·83	3·32	1·89	1·16	3·~~00~~18	1·32	YEAR'S TOTAL 25·~~59~~77
*Days with ·01 in. or more.	21	16	11	19	16	18	22	13	16	13	19	14	198
*Days with ·04 in. or more.	12	8	6	12	13	11	17	12	10	7	16	9	133

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(Signed) J. Gray [P.T.O.

*See Instruction 2 (*f*) on other side.

3586

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3586.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Bothal School, Ashington
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft — in.
,, Ground ,, Sea Level 110 ft.

March 1" low.
Compared with Cockle Park.
Several days seem to be ·2 lower at Ashington. No case for amendment
Suspect accept

File Number-
818898/28

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·06	·01	—	·01	·07	—	—	—	·02	·13	—	·12	1
2	·01	—	—	—	·28	—	·04	·01	·18	·15	·07	·02	2
3	—	—	—	·06	—	·01	—	—	·10	·07	—	·11	3
4	—	—	—	·03	·26	·01	·35	·65	·03	—	—	·01	4
5	—	—	·02	—	—	—	—	—	·08	·01	—	·01	5
6	·06	—	—	·01	·28	—	—	—	·03	·05	—	·04	6
7	—	—	·21	—	—	·01	·05	—	·18	·02	—	—	7
8	—	·04	·04	·02	·13	—	—	—	·19	·40	·04	·01	8
9	·06	·06	·01	·24	—	—	—	—	·04	·04	—	·05	9
10	—	·03	·03	·13	—	—	·07	—	·12	·20	—	·11	10
11	—	·08	·02	·04	·29	·08	·21	—	—	·05	·01	—	11
12	·08	·03	—	—	·22	—	·05	—	—	·07	·01	—	12
13	·07	·09	—	·03	·17	—	·01	·01	—	—	—	·14	13
14	—	—	—	·03	—	—	—	—	—	—	·01	—	14
15	·03	—	—	—	·04	—	—	—	·09	·03	·19	—	15
16	·72	—	·04	—	·02	·01	—	—	—	·06	·04	—	16
17	—	—	·02	—	·03	—	·01	·02	—	·37	·02	—	17
18	—	—	—	·02	·03	—	—	—	—	—	—	·15	18
19	—	—	·01	—	·05	·02	—	·01	—	·16	—	—	19
20	—	—	·18	·02	·18	—	—	·30	—	·15	·01	·01	20
21	—	—	·15	—	·75	—	·11	·66	—	·60	·02	—	21
22	—	—	·15	·05	·07	—	·12	·02	—	·01	·10	—	22
23	·01	·07	—	·12	—	—	·05	—	·02	—	—	—	23
24	—	·08	—	·04	·11	—	·22	—	·06	·02	—	—	24
25	—	·02	—	—	·05	—	—	·04	·02	·10	·01	—	25
26	—	·01	—	—	·14	—	·30	—	·89	·02	—	—	26
27	—	—	·51	·11	·06	·56	·39	—	·01	·10	—	·01	27
28	·02	—	·01	·07	·38	·05	—	·01	—	·26	—	·01	28
29	—	—	·26	·01	—	·04	·25	·75	—	·22	·05	·11	29
30	—	×	·03	·01	—	·15	—	·06	·92	—	·08	—	30
31	—	×	—	×	—	×	·16	·05	×	—	×	·04	31
TOTAL	1·12	·52	1·69	1·05	3·61	·94	2·39	2·59	2·98	3·29	·66	·95	YEAR'S TOTAL 21·79
*Days with ·01 in. or more.	10	11	16	19	21	10	16	13	17	24	14	16	187
*Days with ·04 in. or more.	6	6	8	9	16	5	14	7	11	18	7	9	116

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*See Instruction 2 (*f*) on other side.

(*Signed*) J. Gray

P.T.O.

3556

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~3586~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

File No.
818898/28

Kept at Bothal School, Ashington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft — in.

,, Ground ,, Sea Level 110 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·01	·02	·02	—	·05	—	—	·01	—	·01	·05			1
2	·18	·29	·29	—	—	·01	—	—	—	—	·98			2
3	·15	·37	·01	·01	·05	—	—	—	—	—	·31	—		3
4	·12	·08	·08	—	·06	—	—	—	—	—	·05	—		4
5	·05	·01	—	—	·03	—	—	—	—	—	·01	—		5
6	·01	·13	·01	—	·01	—	—	—	—	—	—	·09		6
7	·01	·05	—	—	·08	—	—	—	—	1·05	—	—		7
8	—	—	·07	·01	·01	·06	·02	—	—	·01	—	·07		8
9	—	·11	—	—	·01	·05	·16	—	—	·37	·01	·12		9
10	—	·11	·01	—	—	·07	·02	—	—	·06	·15	·07		10
11	—	—	·01	—	·06	—	—	·03	—	—	·04	—		11
12	—	—	·01	—	·09	·32	·02	—	—	—	·04	·07		12
13	—	—	·05	—	·10	—	·19	·14	—	·02	·07	—		13
14	·18	·01	·01	—	·02	—	·25	·03	—	—	·13	·25		14
15	·27	—	·01	·07	—	·03	·18	·15		·05	·21	—		15
16	·33	—	·07	·01	·15	·07	·07	·01		—	·10	·07		16
17	·41	·02	—	·09	—	·13	—	·01	·04	·02	·10	—		17
18	—	·24	·18	·12	—	·09	·01	·18	—	—	·26	·01		18
19	·01	—	—	—	—	—	·22	·10	—	—	·07	—		19
20	—	—	—	·02	—	—	—	—	·27	·08	·01	—		20
21	—	—	—	·01	—	·14	—	·08	·01	·02	·04	·01		21
22	—	—	—	—	—	—	—	·03	—	·96	·01	—		22
23	—	—	—	—	·24	·12	—	·01	·16	—	·06	—		23
24	—	·30	—	·30	·14	—	·09	·01	·10	·17	·02	—		24
25	—	·20	—	·27	—	—	—	—	·85	·40	·08	·02		25
26	·01	·81	—	·23		—	—	—	—	·15	·15	·13		26
27	·01	·09	—	—		—	·35	—	—	·23	·15	·05		27
28	·08	—	—	·05	·06	—	·01	1·01	·01	·35	·01	·02		28
29	—	X	—	·15	—	—	·23	—	—	·11	—	—		29
30	·04	X	—	·05	—	—	·14	—	·01	—	—	·05		30
31	·02	X	·01	X	—	X	·01	·05	X	—	X	·04		31
TOTAL	1·89	2·12	1·20	1·39	1·16	1·09	1·17	1·85	1·45	4·06	3·13	1·07	Year's Total 21·58	
*Days with ·01 in. or more.	17	14	15	14	16	11	16	15	8	17	25	15	183	
*Days with ·04 in. or more.	10	9	7	9	11	9	10	7	5	12	19	11	118	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) J. Gray

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3586

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Bothal School, Ashington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft – in.

,, Ground ,, Sea Level 110 ft.

File No.
818898/28

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·08	–	·03	–	·03	–	–	·25	–	–	–	·03		1
2	–	·01	·02	–	–	–	–	·07	·19	–	·01	·22		2
3	·02	·01	–	–	–	–	–	–	–	·07	·20	·09		3
4	·04	–	–	·05	–	–	–	–	–	·02	·09	·73		4
5	–	–	·15	·02	·06	–	–	–	·03	–	·19	·07		5
6	·06	–	·11	–	·34	·13	–	1·58	·03	·04	·29	·09		6
7	·01	·04	–	–	·09	·03	–	–	·01	·06	–	·12		7
8	–	–	·28	·02	·05	–	–	·02	·06	·04	·02	·04		8
9	–	–	–	·68	–	–	–	·01	·02	·03	·63	·01		9
10	–	–	·51	·30	–	–	–	·56	–	·01	·45	·01		10
11	·07	–	·55	1·05	–	–	–	–	–	·03	·15	·05		11
12	–	–	·54	·48	·02	–	1·12	·18	·01	–	·14	·13		12
13	–	–	·02	·01	·01	–	·98	·08	·01	–	·01	–		13
14	·49	–	·20	–	·03	–	·28	–	·03	–	–	·10		14
15	–	·01	·03	–	·17	–	–	·03	·05	·28	·06	·03		15
16	·05	–	·09	–	·01	–	–	–	–	·04	·06	–		16
17	·05	–	·06	–	–	–	·51	–	·17	·06	·04	·14		17
18	·49	–	–	–	·20	·06	·43	–	–	–	–	·02		18
19		–	·23	·45	·02	·08	·01	–	·01	·03	·07	–		19
20		–	·17	–	–	·04	–	·05	·01	–	·01	·06		20
21	–	–	–	–	–	·54	–	·03	·03	–	–	·03		21
22	–	–	–	·02	–	·58	–	·09	·24	–	–	·09		22
23	–	–	·07	·14	–	–	·24	–	–	·10	·03	·06		23
24	–	–	–	·05	·01	·12	–	·01	·02	·46	–	·04		24
25	–	–	–	·05	–	–	–	–	·17	·16	–	1·00		25
26		·02	–	1·01	–	·16	·05	–	–	·16	–	·02		26
27		·02	–	·24	–	–	–	–	–	·09	–	·05		27
28	–	–	–	·50	–	–	·02	·18	–	–	–	·35		28
29	–	×	·07	·01	–	–	·18	·20	·36	·20	–	·12		29
30	·09	×	·01	–	–	–	·17	·06	·08	1·51	–	·13		30
31	·07	×	–	×	–	×	–	·04	×	–	×	·02		31
TOTAL	1·52	·31	3·14	5·08	1·04	1·74	3·99	3·44	1·53	3·39	2·45	3·85	Year's Total. 31·48	
* Days with .01 in. or more.	12	6	18	17	13	9	11	17	19	19	17	28	186	
* Days with .04 in. or more.	10	2	13	12	6	8	9	12	8	14	11	20	125	

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* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. Gray

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3586

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at BOTHAL SCHOOL, ASHINGTON

in the County of NORTHUMBERLAND

File 918.898/28

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft. — in.

,, Ground ,, Sea Level 110 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·38	—	·21	·12	—	·04	·73	—	·51	lm	—	·04		1
2	·01	—	—	·16	—	·13	—	—	—	·70	·02	—		2
3	—	·10	·06	·04	—	·14	—	—	—	lm	·25	—		3
4	—	—	·01	—	—	·31	—	—	·01	·33	·18	—		4
5	·15	·12	·07	·02	—	·02	—	—	·17	·26	·02	lm		5
6	·12	·02	·01	—	—	·12	—	—	—	·28	·01	—		6
7	·09	—	—	·19	—	·04	—	—	—	·17	·23	·05		7
8	—	—	—	·17	—	·04	—	—	—	lm	·01	lm		8
9	·01	·04	—	·30	—	·01	—	—	—	·29	·24	·01		9
10	·04	·08	—	·04	—	·07	—	—	—	·03	·07	—		10
11	·08	—	—	—	·01	—	—	·17	—	·04	lm	·02		11
12	—	·01	—	—	—	·05	—	—	lm	—	lm	—		12
13	·10	·02	—	·10	·28	—	—	—	·01	—	lm	·04		13
14	—	—	—	·04	—	·06	—	—	·01	·05	·21	·05		14
15	·01	·04	—	·30	·15	·08	—	·05	·05	·06	·02	—		15
16	—	·22	·16	·41	·51	·22	·03	·22	·37	—	·27	·23		16
17	—	—	—	·32	·07	·24	—	·04	—	lm	1·01	·23		17
18	·08	—	—	—	·04	·22	—	·46	·07	·25	·01	·06		18
19	·06	·02	—	·01	—	·15	·22	—	—	·03	—	—		19
20	—	·06	—	·37	—	·05	—	—	—	—	—	—	—	20
21	—	—	·05	·36	—	—	—	—	·50	—	·07	—	—	21
22	—	·42	·08	·30	—	—	—	—	1·01	·40	·03	—	—	22
23	·02	—	·01	—	—	—	·01	·02	—	·08	·03	—	—	23
24	·02	·45	·06	·01	—	—	—	—	·38	—	lm	·30	[illegible]	24
25	·15	·02	·01	—	—	·05	—	—	—	—	·03	·12	[illegible]	25
26	·10	—	—	·03	—	·02	—	·83	·26	·18	—	·52		26
27	·57	·03	—	—	—	·03	—	—	·12	·18	·04	·12		27
28	·03	·01	·01	—	—	·03	—	—	·08	·17	·12	—		28
29	—	×	·16	—	—	—	—	·03	·12	·09	·10	·10		29
30	—	×	—	—	—	·14	—	·08	·17	·40	·12	—		30
31	—	×	—	×	—	×	—	—	×	·01	×	·21		31
TOTAL	2·02	1·66	·90	3·29	1·06	2·26	·39	1·90	3·84	4·00	3·09	2·10	Year's Total 26·51	
* Days with .01 in. or more.	18	16	13	19	6	23	4	9	16	20	22	15	181	
* Days with .04 in. or more.	12	9	8	15	5	18	2	7	13	17	13	13	132	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. Gray

[P.T.O.

COPY FOR OFFICIAL USE

Section A **for the entry of Daily Observations**

Station No. 3586

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1935

File 818, 898 / 28

Kept at BOTHAL SCHOOL ASHINGTON

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft. in.

,, Ground ,, Sea Level 110 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
1936

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·33	·12	·45	–	–	·03	·02	·03	·51	·01	·02	–		1
2	·10	·05	·05	–	–	–	·14	·07	·10	–	·01	·09		2
3	–	·06	·02	–	–	1·02	·40	·12	·24	–	·01	·01		3
4	·37	–	·05	–	·03	–	–	·07	·11	·05	·15	·02		4
5	·15	im	–	–	·06	·04	–	–	–	·01	·07	–		5
6	·10	–	–	·02	·01	–	·07	·95	·54	·01	·08	–		6
7	·15	–	·09	–	im	–	·34	–	·09	–	·02	–		7
8	·24	–	·15	–	–	–	–	–	·01	·20	–	·04		8
9	·51	·01	·55	–	–	·09	–	–	·02	·22	·17	·03		9
10	·07	–	im	–	–	–	·10	–	–	·02	·04	·01		10
11	–	–	–	–	–	·01	·05	–	·02	·02	·57	–		11
12	–	–	–	·06	·19	·02	·10	–	·35	·01	·16	·08		12
13	–	–	–	·12	–	·01	·12	·10	·01	·10	·02	·48		13
14	–	–	–	·13	–	·33	·02	–	·14	·01	–	·39		14
15	·02	–	–	·23	–	·01	·20	–	·07	–	·11	·01		15
16	·13	–	im	·23	–	–	im	·31	–	–	·34	·02		16
17	·03	·30	–	·12	·21	–	·11	·05	–	–	·69	·16		17
18	–	·15	–	·11	–	–	im	–	–	–	·01	–		18
19	·35	·13	im	–	–	–	·09	–	–	·33	·01	·01		19
20	·20	·10	·01	·04	–	–	·05	–	–	·01	·01	–		20
21	·03	–	–	·01	–	–	·09	–	–	–	–	–		21
22	–	·27	·01	–	·07	·10	im	–	–	–	–	–		22
23	–	·03	·01	·12	·07	·15	·40	–	–	–	–	·01		23
24	·04	·17	·01	–	·86	im	–	–	1·03	·07	·02	–		24
25	·24	im	·06	–	·02	–	·01	–	·19	·01	–	–		25
26	im	·07	·28	–	im	–	–	–	·06	·17	·04	–		26
27	·01	im	·05	–	–	–	–	–	·10	–	·01	–		27
28	·19	·17	–	–	–	–	·06	–	–	–	–	–		28
29	·62	·90	·10	–	·09	·65	·20	–	–	·10	·02	–		29
30	·01	✕	–	–	–	·06	·07	–	·01	·11	–	–		30
31	·05	✕	·10	✕	–	✕	·13	–	✕	–	✕	·03		31
TOTAL	3·94	2·53	1·99	1·19	1·61	2·52	2·77	1·7	3·6	1·46	2·58	1·39	Year's Total 27·28	✓
* Days with .01 in. or more.	22	14	16	11	10	13	21	8	18	18	22	15	188	✓
* Days with .04 in. or more.	17	12	11	9	7	8	18	7	13	9	11	6	128	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) J. Gray.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations
Station No. 3586

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Bothal School, Ashington
in the County of Northumberland
Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground.........ft.........in.
,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·06	–	·18	·02	–	·11	–	–	·17	–	–	·02		1
2	–	·18	–	·18	–	·14	–	–	–	·01	–	·27		2
3	–	·04	–	·06	–	·09	1·00	–	–	–	·01	·22		3
4	·12	–	·09	·04	–	·03	–	–	–	–	–	·02		4
5	·01	–	·07	·05	·27	–	·03	–	·40	–	–	·60		5
6	–	·01	·06	·06	·06	–	–	–	–	–	·14	·10		6
7	–	·21	–	·08	·02	·06	·08	–		·02	·03	·42		7
8	–	·47	–	·02	–	–	·20	·01	–	–	·08	·29		8
9	–	–	·66	·03	–	·01	·21	·06	–	–	·16	·01		9
10	–	–	·04	·02	·21	–	·04	–	–	–	·49	·11		10
11	–	–	·59	·17	–	–	–	–	–	–	–	1·00		11
12	·01	·17	·97	·13	–	–	–	·42	·14	–	·01	·25		12
13	–	·05	–	·06	·10	·12	–	–	·05	–	·01	·49		13
14	·01	–	·01	·01	·02	·27	–	·54	–	–	–	·71		14
15	–	·45	–	·29	–	–	–	–	·11	–	–	·22		15
16	·13	·02	·42	·59	–	·06	–	·04	·14	–	·09	·68		16
17	·15	·03	·19	·08	·02	·05	–	·03	·58	–	–	·09		17
18	–	·01	·10	–	–	–	·02	·13	·02	–	·14	–		18
19	–	–	·02	·07	–	·12	–	·03	–	–	–	–		19
20	·03	–	·05	·06	1·41	·08	·02	–	–	·01	–	–		20
21	–	–	–	·06	·16	–	·35	·01	–	·03	–	·16		21
22	·02	–	–	–	–	·07	–	–	–	·04	·11	·03		22
23	·20	–	·09	–	·12	·05	·25	–	–	·56	·02	–		23
24	·23	–	–	–	·05	–	·18	–	·05	·31	–	–		24
25	·10	·49	–	–	·04	–	·02	·04	–	·25	–	·01		25
26	·06	·15	·28	–	·60	–	–	–	·02	–	–	·01		26
27	–	·75	·09	·05	–	·03	–	–	–	·54	–	–		27
28	·16	–	·01	–	–	·04	–	–	–	·13	–	·06		28
29	·33	–	·03	–	–	·04	–	·15	–	·04	·03	·12		29
30	·20	✕	–	–	–	·03	–	·30	·03	·01	·05	–		30
31	·61	✕	·01	✕	–	✕	–	·30	✕	·49	✕	–		31
													Year's Total	
TOTAL	2·43	3·03	3·95	2·13	3·08	1·40	2·40	2·06	1·71	2·44	1·37	5·89	31·89	✓
* Days with .01 in. or more.	17	14	20	21	13	18	12	13	11	13	14	23	189	✓
* Days with .04 in. or more.	12	10	15	16	10	14	8	9	8	8	~~7~~8	17	135	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

3586.

Measurement of Rainfall during 1937
Bothal School, Ashington, North'd

Date	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1	·06	—	·18	·02	—	·11	—	—	·17	—	im	·02
2	—	·18	—	·18	im	·14	—	—	—	·01	im	·27
3	—	·04	—	·06	—	·09	1·00	—	—	—	·01	·22
4	·12	—	·09	·04	—	·03	—	—	—	—	im	·02
5	·01	—	·07	·05	·27	—	·03	—	·40	—	—	·60
6	—	·01	·06	·06	·06	—	—	—	—	—	·14	·10
7	—	·21	—	·08	·02	·06	·08	—	—	·02	·03	·42
8	—	·47	—	·02	—	—	·20	·01	—	—	·08	·29
9	—	—	·66	·03	—	·01	·21	·06	—	—	·16	·01
10	—	—	·04	·02	·21	—	·04	—	—	—	·49	·11
11	—	—	·59	·17	—	—	—	—	—	—	im	1·00
12	·01	·17	·97	·13	—	—	—	·42	·14	—	·01	·25
13	—	·05	—	·06	·10	·12	—	—	·05	—	·01	·49
14	·01	—	·01	·01	·02	·27	—	·54	im	—	im	·71
15	—	·45	—	·29	—	—	—	—	·11	—	—	·22
16	·13	·02	·42	·59	—	·06	—	·04	·14	—	·09	·68
17	·15	·03	·19	·08	·02	·05	—	·03	·58	—	—	·09
18	—	·01	·10	—	—	—	·02	·13	·02	im	·14	—
19	—	—	·02	·07	—	·12	—	·03	—	im	—	—
20	·03	—	·05	·06	1·41	·08	·02	—	—	·01	—	im
21	—	—	—	·06	·16	—	·35	·01	—	·03	—	·16
22	·02	—	—	—	—	·07	—	—	—	·04	·11	·03
23	·20	—	·09	—	·12	·05	·25	—	—	·56	·02	—
24	·23	—	—	—	·05	—	·18	—	·05	·31	im	—
25	·10	·49	—	—	·04	—	·02	·04	—	·25	im	·01
26	·06	·15	·28	—	·6	—	—	—	·02	—	—	·01
27	—	·75	·09	·05	—	·03	—	—	—	·54	—	—
28	·16	—	·01	—	—	·04	—	—	—	·13	im	·06
29	·33	—	·03	—	—	·04	—	·15	—	·04	·03	·12
30	·20	X	—	—	—	·03	—	·30	·03	·01	·05	—
31	·61	X	·01	X	—	X	—	·30	X	·49	—	—
Total	2·43	3·03	3·95	2·13	3·08	1·4	2·4	2·06	1·71	2·44	1·37	5·89
Days with ·01 or more	17	14	20	21	13	18	12	13	11	13	14	23
Days with ·04 or more	12	10	15	16	10	14	8	9	8	8	~~7~~ 8	17

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Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft. — in.

,, Ground ,, Sea Level 110 ft.

File 818,898/28

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Please read the Notes and Instructions Overleaf

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·07	·06	—	—	—	1·01	·06	—	—	·01	·08	·06		1
2	·12	—	—	—	—	·36	·31		·11	·30	·03	·06		2
3	·15	—		·06	—	·02	·02		·03	·38	·09	—		3
4	·29	—	—	·04	im	—	·11	·01	·03	·12	·02	·42		4
5	—	—	·01	—	—	—	·26	·05	im	·01	—	—		5
6	·03	—	—	—		—	·14	·01	·08	·11	—	·01		6
7	—	·04	—	—		—	·30	·01	im	·01	·07	—		7
8	·18	im	—	—	—	—	·02	—	—	·41	·43	·19		8
9	·57	·01	—	—	·13	·10	·06	—	—	—	—	·23		9
10	im	·05	im	—	—	·34	—	—	·04	·02	—	·04		10
11	·02	—	—	im	·11	·04	·05	—	—	·05	·06	·07		11
12	·02	·15	—	im	·04	—	·03	·04	—	·14	·26	im		12
13	·07	·20	im	—	·02	—	—	·01	·15	·01	·02	·10		13
14	·11	im	—	—	·08	—	—	—	—	—	—	·04		14
15	·08	·04	—	—	—	—	·07	·18	—	·21	im	·44		15
16	·27	—	—	—	·10	—	·25	·01	·17	·18	·01	·26		16
17	im	—	—	—	·40	—	im	·02	·01	·39	—	—		17
18	im	·03	—	—	·04	·34	—	—	·10	·17	·18	—		18
19	im	—	·06	—	·14	—	—	·04	·05	—	—	·16		19
20	im	im	·22	—	—	·04	—	—	·21	—	·07	·07		20
21	—	im	·03	—	—	—	—	·09	—	—	·06	·07		21
22	—	·03	·01	·02	·04	—	—	—	—	·01	·22	·13		22
23	—	—	—	—	—	·14	—	—	·01	—	·11	·06		23
24	—	im	im	—	·01	—	·16	·80	·33		—	·06		24
25	—	—	·01	·02	·23	—	·18	02 ·20	—	·24	—	—		25
26	—	·15	—	—	·14	·09	—	—	·03	·17	—	—		26
27	·03	·01	—	·02	·42	—	·20	·21	·03	·04	·16	·02		27
28	·19	—	—	—	·78	·34	—	im	·10	·01	—	·01		28
29	—	—	—	—	·34	im	·04	·16	—	·01	·04	—		29
30	·05	✕	—	—	im	—	—	·01	·29	—	·09	—		30
31	·15	✕	—	✕	·36	✕	—	—	✕	·04	✕	·60		31
TOTAL	2·40	·77	·34	·16	3·38	2·82	2·26	1·67	1·77	3·31	2·00	3·10	Year's Total 23·98	✓
* Days with .01 in. or more.	17	11	6	5	17	11	17	16	17	24	18	21	180	✓
* Days with .04 in. or more.	13	7	2	2	15	10	14	*8	11	16	14	18	130	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

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Station No. 3586

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Diameter of Funnel of Gauge 5 in.

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Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·68	–	–	·01	–	–	·01	–	·07	·12	·04	–		1
2	·20	–	–	·01	–	–	·07	·29	·32	–	·03	–		2
3	·10	–	–	·06	–	–	·03	·12	–	·06	·07	·06		3
4	·10	–	–	–	–	–	·05	–	–	·02	·30	·20		4
5	–	–	·17	–	·19	–	·21	·09	–	·22	·35	·21		5
6	–	–	–	–	–	–	·33	–	–	·02	·03	–		6
7	·03	·01	·06	–	·14	–	·03	–	–	·10	·01	·02		7
8	·37	·08	·06	·08	–	–	·07	·06	–	–	–	·36		8
9	·04	·04	–	–	–	–	·49	·23	·06	·52	·01	·16		9
10	·09	–	·01	–	–	–	–	·20	·18	·02	–	–		10
11	·31	–	·32	–	·03	·06	–	·04	·03	·76	–	·02		11
12	–	·02	–	–	–	·01	·06	·01	–	1·15	·04	–		12
13	–	–	·02	–	·20	I.M.	–	–	·06	·17	–	–		13
14	·53	–	·08	·04	·09	·21	–	·09	·06	·35	–	·04		14
15	·11	–	–	–	·01	·71	–	–	–	·03	–	·03		15
16	·10	–	·04	–	·17	–	–	–	·01	–	–	–		16
17	·49	–	·01	·01	·08	–	–	–	–	–	·01	–		17
18	·38	·01	·11	–	–	·09	·12	–	–	·11	·50	–		18
19	·24	–	–	–	–	·28	–	–	–	–	–	·01		19
20	i.m.	–	–	–	·02	I.M.	·03	·09	–	–	–	–		20
21	·14	·01	·01	·03	·09	–	–	·05	·01	–	–	–		21
22	·28	·24	–	·04	–	–	·01	–	–	·01	·03	–		22
23	·03	·08	–	·07	–	·07	–	–	–	–	–	–		23
24	–	·02	·07	·25	–	·02	–	–	–	–	–	–		24
25	·13	·01	·03	·04	–	–	–	·02	–	·01	·07	·08		25
26	·04	–	·05	·01	–	·02	–	·04	–	·38	–	–		26
27	·14	·20	·81	·03	–	·12	·03	·01	·01	·24		·02		27
28	·05	·06	·38	·07	–	·12	·10	–	–	–	·19	·02		28
29	·05	·08	·01	–	–	–	·35	–	–	·67		–		29
30	·01	✕	–	·01	–	·02	·06	–	·02	·02	·40	–		30
31	–	✕	·01	✕	–	✕	·24	–	✕	·06	✕	–		31
TOTAL	4·64	·86	2·25	·76	1·02	1·73	2·29	1·34	·83	5·04	2·08	1·23	Year's Total 24·07 ✓	
* Days with .01 in. or more.	24	13	18	15	10	12	18	14	11	21	15	13	184 ✓	
* Days with .04 in. or more.	21	7	11	8	7	6	12	11	6	14	8	7	119	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

P.T.O.

COPY FOR OFFICIAL USE

Section **A** **for the entry of Daily Observations**

Station No. 3586

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

File 919.998/28

Kept at Bothal School, Ashington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 8 ft. — in.

,, Ground ,, Sea Level 110 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1				·01							·25			**1**
2				·01			·02	·05		·04	·26	·05		**2**
3		·42		·09			·11				·01			**3**
4		·31		·04			·12			·12	·11			**4**
5				~~·04~~	·30						·16	·32		**5**
6	·13						·12			·26	·17			**6**
7		·20		·01			·12			·01		·52		**7**
8	·07	·27						·03	·01	·22	·05	·12		**8**
9	·01		·04				·33	·17		·08	·34			**9**
10			·24				·90	·03			·09			**10**
11			·40				·20		·15		·43	·05		**11**
12		·10	·63			·03			·03		·02			**12**
13		·12	·06				·33							**13**
14		·06	·02	·01			·45		·03	·02		·23		**14**
15						·05					·04			**15**
16	·45				·12		·70		·80	·32	·20			**16**
17	·17		·08				1·24			·03	·55			**17**
18			·17	·02			·06	·04	·01		·15	·10		**18**
19			·01	·04			·02		·17		·18	·06		**19**
20		·03	·01	·08			·25	·30			·01			**20**
21	·21		·07	·04						·24				**21**
22	·39	·03	·07		·02	·40	·13			·15	·03			**22**
23			·12	·24	·03			·02	·09	·12		·19		**23**
24	·03			·03			·03			·21				**24**
25		·04					·08							**25**
26				·01	·17	·05	·30	·16		·06				**26**
27	·10	·12	·03			·06	·03			·13				**27**
28	·10	·08	·26	·02				·05				·05		**28**
29	·10			·01		·06	·01				·02	·88		**29**
30	·16	✕			·03					·18				**30**
31		✕	·09	✕		✕			✕	·18	✕	·21		**31**
													Year's Total	
TOTAL	1·92	1·78	2·30	·66	·67	·65	5·55	·85	1·29	2·37	3·07	2·78	23·89	
* Days with .01 in. or more.	12	12	16	15	6	6	21	9	8	17	19	12	153	
* Days with .04 in. or more.	10	10	12	6	3	5	16	6	4	14	14	12	112	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

P.T.O.

3587

Section **FOR OFFICIAL USE.**

3584

MORPETH COCKLE PARK

1931 – 40.

780702

BRITISH RAINFALL ORGANIZATION.

FORM No.

L IN 1931.

74

400

Kept at

in the C

Diameter

Height of

,,

THE **PREVIOUS DAY.**

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
31	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·10	—	·01	·02	—	—	·45	·04	—	—	1
2	—	·05	·02	·77	—	·72	—	—	·07	·05	—	·10	2
3	·01	·03	—	—	—	·03	·17	—	·13	—	·40	·20	3
4	·09	·05	—	—	—	·02	—	—	·72	—	·06	·02	4
5	—	·01	—	—	·12	·08	·17	·16	—	—	—	·35	5
6	—	·15	·07	—	—	·83	·22	·24	·05	·17	—	—	6
7	—	—	·04	—	·26	·08	—	·06	—	·01	·21	·01	7
8	·04	·02	·19	—	·07	·20	·71	·14	—	—	·05	—	8
9	·01	·07	·12	·08	·11	·04	·03	·13	—	·03	·28	·05	9
10	—	—	·10	—	·15	·09	·06	—	·12	—	·04	—	10
11	·01	·22	—	·02	—	—	·21	—	·01	·02	·03	—	11
12	·17	—	—	·07	—	·08	·15	·11	—	·03	—	—	12
13	·06	—	·14	—	·12	·08	·18	·02	—	—	—	—	13
14	·02	·07	—	·02	·02	·65	·08	·34	—	—	·17	·09	14
15	—	·02	—	·16	·02	·11	—	·17	—	—	·03	·02	15
16	—	·23	—	·06	—	—	·06	·29	·13	—	—	—	16
17	—	·06	—	·31	—	·09	·33	·92	—	·07	·11	—	17
18	·34	—	—	·11	—	·06	·10	—	·04	—	·74	—	18
19	·03	—	—	—	—	—	·10	·56	·07	·06	—	—	19
20	—	·05	—	—	—	—	—	—	·01	—	·03	·01	20
21	·08	·01	—	·02	—	—	—	·03	·02	—	—	—	21
22	·06	—	—	·56	·06	—	·02	—	—	—	·02	—	22
23	·05	·02	—	·12	·26	·27	·03	—	·05	·21	·71	—	23
24	·01	—	—	·32	·50	—	—	—	·01	·10	·03	—	24
25	—	—	—	·66	·03	—	·15	—	—	—	—	—	25
26	—	—	—	·06	·14	—	·06	—	—	—	·56	—	26
27	·09	—	·13	·20	—	—	—	—	—	·10	·30	·01	27
28	·17	·02	—	·03	·45	—	—	—	—	—	·03	—	28
29	·73	×	·04	—	·02	—	·20	—	·01	·30	·06	·17	29
30	—	×	—	0·1	·27	·03	—	—	·01	—	—	—	30
31	·31	×	—	×	·14	×	·13	—	×	·02	×	·01	31
49 TOTAL	2.28	1.08	0.95	3.52	2.75	3.48	3.16	3.17	1.90	1.21	3.86	1.04	YEAR'S TOTAL 28.40
*Days with ·01 in. or more.	18	16	10	18	18	18	20	13	16	14	19	12	192
*Days with ·04 in. or more.	12	9	9	12	13	14	17	11	10	9	13	6	135
40-9999	57.9	27.4	24.1	89.4	69.9	88.4	80.3	80.5	48.3	30.7	98.0	26.4	721.3

(Signed) .... [P.T.O.

*See Instruction 2 (*f*) on other side.

Section

3587

FOR OFFICIAL USE.

OLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM [illegible]o.

REGISTER OF RAINFALL IN 1931.

74

Kept at Cockle Park A.P.

in the County of N'land

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 325 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
31	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·10	—	·01	·02	—	—	·45	·04	—	—	1
2	—	·05	·02	·77	—	·72	—	—	·07	·05	—	·10	2
3	·01	·03	—	—	—	·03	·17	—	·13	—	·40	·20	3
4	·09	·05	—	—	—	·02	—	—	·72	—	·06	·02	4
5	—	·01	—	—	·12	·08	·17	·16	—	—	—	·35	5
6	—	·15	·07	—	—	·83	·22	·24	·05	·17	—	—	6
7	—	—	·04	—	·26	·08	—	·06	—	·01	·21	·01	7
8	·04	·02	·19	—	·07	·20	·21	·14	—	—	·05	—	8
9	·01	·07	·12	·08	·11	·04	·03	·13	—	·03	·28	·05	9
10	—	—	·10	—	·15	·09	·06	—	·12	—	·04	—	10
11	·01	·22	—	·02	—	—	·21	—	·01	·02	·03	—	11
12	·17	—	—	·07	—	·08	·15	·11	—	·03	—	—	12
13	·06	—	·14	—	·12	·08	·18	·02	—	—	—	—	13
14	·02	·07	—	·02	·02	·65	·08	·34	—	—	·17	·09	14
15	—	·02	—	·16	·02	·11	—	·17	—	—	·03	·02	15
16	—	·23	—	·06	—	—	·06	·29	·13	—	—	—	16
17	—	·06	—	·31	—	·09	·33	·92	—	·07	·11	—	17
18	·34	—	—	·11	—	·06	·10	—	·04	—	·74	—	18
19	·03	—	—	—	—	—	·10	·56	·07	·06	—	—	19
20	—	·05	—	—	—	—	—	—	·01	—	·03	·01	20
21	·08	·01	—	·02	—	—	—	·03	·02	—	—	—	21
22	·06	—	—	·56	·06	—	·02	—	—	—	·02	—	22
23	·05	·02	—	·12	·26	·27	·03	—	·05	·21	·71	—	23
24	·01	—	—	·32	·50	—	—	—	·01	·10	·03	—	24
25	—	—	—	·66	·03	—	·15	—	—	—	—	—	25
26	—	—	—	·06	·14	—	·06	—	—	—	·56	—	26
27	·09	—	·13	·20	—	—	—	—	—	·10	·30	·01	27
28	·17	·02	—	·03	·45	—	—	—	—	—	·03	—	28
29	·73	×	·04	—	·02	—	·20	—	·01	·30	·06	·17	29
30	—	×	—	0·1	·27	·03	—	—	·01	—	—	—	30
31	·31	×	—	×	·14	×	·13	—	×	·02	×	·01	31
99 TOTAL	2.28	1.08	0.95	3.52	2.75	3.48	3.16	3.17	1.90	1.21	3.86	1.04	YEAR'S TOTAL 28.40
*Days with ·01 in. or more.	18	16	10	18	18	18	20	13	16	14	19	12	192
*Days with ·04 in. or more.	12	9	9	12	13	14	17	11	10	9	13	6	135
40-9999	57.9	27.4	24.1	89.4	69.9	88.4	80.3	80.5	48.3	30.7	98.0	26.4	721.3

*See Instruction 2 (*f*) on other side.

(*Signed*) .... [P.T.O.

3587

Section A for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM

REGISTER OF RAINFALL IN 1932.

74

Kept at Cockle Park A.P.

in the County of Northumberland

400

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 325 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
32	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·04	—	—	·01	·08	—	—	—	·10	·16	·01	·08	1
2	·03	—	—	·01	·27	—	·10	·01	·22	·17	·06	·10	2
3	—	·02	—	·09	·01	·03	·01	—	·07	·06	·01	·03	3
4	·01	—	—	·02	·10	—	·33	·75	·03	—	—	·02	4
5	·01	—	·04	·01	·08	—	—	—	·10	—	—	·04	5
6	·04	—	—	·02	·05	—	—	—	·03	·05	—	·03	6
7	—	—	·28	—	·01	—	—	—	·20	·19	—	—	7
8	—	·05	·05	·06	·28	—	—	—	·25	·33	·03	·03	8
9	·15	·05	·02	·37	—	—	—	—	·09	·05	·05	·10	9
10	·03	·04	·07	·10	—	—	·01	—	·07	·27	·01	·14	10
11	—	·04	·10	·03	·31	·02	·15	—	—	·01	·01	—	11
12	·09	·02	—	—	·23	—	·05	—	—	·10	·05	—	12
13	·05	·08	—	·06	·16	—	·01	·03	·12	·01	—	·18	13
14	·03	—	—	·04	—	—	·01	—	—	—	·02	—	14
15	·08	—	—	—	·10	—	—	—	—	·03	·11	—	15
16	·47	—	·05	—	—	—	—	—	—	·06	·05	·11	16
17	—	—	—	—	·05	—	·04	·05	—	·42	·01	·24	17
18	—	—	—	—	·03	—	—	—	—	—	—	—	18
19	—	·01	·05	·03	·05	—	—	—	—	·21	—	·01	19
20	—	—	·40	·01	·25	—	—	·57	—	·06	·01	·04	20
21	—	—	·28	—	·65	—	·11	·79	—	·65	·01	—	21
22	—	·01	·46	·07	—	—	·10	—	—	·01	·11	·01	22
23	—	·05	—	·10	—	—	·08	—	·06	—	—	—	23
24	—	·15	—	·02	·05	—	·19	—	·14	·01	—	—	24
25	—	·02	—	—	·08	—	—	·07	·03	·10	·02	—	25
26	—	·02	—	—	·13	—	·29	—	·66	·03	·01	—	26
27	—	—	·59	·17	·06	·68	·69	—	—	·31	·01	—	27
28	—	—	·01	·09	·40	·06	—	—	—	·05	—	—	28
29	—	—	·35	·02	—	·04	·31	·29	—	·26	·06	·10	29
30	—	×	·03	—	—	·27	—	·04	1·02	·13	·05	·01	30
31	—	×	·01	×	—	×	·05	·05	×	—	×	·02	31
99 TOTAL	1·03	0·56	2·79	1·33	3·43	1·10	2·53	2·65	3·09	3·43	0·70	1·29	YEAR'S TOTAL 24·23
*Days with ·01 in. or more.	12	13	16	20	22	6	17	10	16	25	20	18	195
*Days with ·04 in. or more.	7	7	12	10	19	4	13	8	13	19	8	10	130
40-9999	26·2	14·2	70·9	33·8	87·1	24·9	64·3	67·3	78·5	94·7	17·8	32·8	615·5

(Signed) .... [P.T.O.

*See Instruction 2 (*f*) on other side.

3587

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Cockle Park NP

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft. .... in.

,, Ground ,, Sea Level 325 ft.

400

24

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
33	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·02	—	·05	—	—	·02	—	·01	·04	·05	1
2	·30	—	·33	—	—	·05	—	—	—	—	·22	·06	2
3	·09	·02	·50	—	·04	—	—	—	—	—	·42	—	3
4	·07	·03	·04	—	·03	—	—	—	—	—	—	—	4
5	·07	—	·02	—	·04	—	—	—	—	—	—	—	5
6	—	·14	·02	—	·02	—	—	—	—	—	·01	·12	6
7	·03	·13	—	·01	·05	—	—	—	—	1·25	—	·03	7
8	—	—	·08	—	·04	·08	·02	·01	—	—	—	·15	8
9	—	·14	—	·01	·02	·08	·21	—	—	·28	·02	·08	9
10	·01	·16	—	—	—	·09	—	—	—	·06	·07	·03	10
11	—	—	—	—	·05	·02	·03	·03	—	·01	·10	·01	11
12	—	—	—	—	·13	·26	—	—	—	—	—	·11	12
13	—	—	·04	—	·15	—	·29	·10	—	·04	·08	—	13
14	·21	—	·04	—	·04	—	·27	·01	—	—	·15	·23	14
15	·20	—	·01	·07	—	·01	·07	·16	—	·08	·31	·02	15
16	·28	—	·07	·05	·17	·05	·21	—	—	—	·16	—	16
17	·34	·08	—	·12	—	·13	—	·02	·04	·01	·26	—	17
18	—	·11	·13	·04	—	·01	·01	·16	—	—	·28	—	18
19	—	—	·02	—	·01	—	·22	·09	—	—	·08	—	19
20	—	·03	—	—	·02	—	—	—	·20	·03	·02	·01	20
21	—	·02	—	·01	—	·10	—	·12	·04	·10	·06	·01	21
22	—	·17	—	—	—	—	—	·03	—	·77	—	—	22
23	—	·08	—	—	·18	·20	—	·04	·17	·02	·07	—	23
24	—	·50	—	·36	·11	·02	·08	·01	·09	·06	·02	·02	24
25	—	·70	—	·49	·04	—	—	—	·75	·52	·04	·03	25
26	·03	0·86	—	·30	·03	—	—	—	—	·07	·19	·13	26
27	·01	·10	—	—	·05	—	·26	—	—	·23	·19	·08	27
28	·06	—	—	·01	—	—	·03	1·04	·03	·38	·02	·05	28
29	—	×	—	·32	—	—	·12	—	—	·20	—	—	29
30	·05	×	—	·06	—	—	·15	—	·02	—	—	·03	30
31	·13	×	—	×	—	×	·03	·05	×	—	×	·02	31
TOTAL	1·88	3·27	1·32	1·85	1·27	1·10	2·00	1·89	1·34	4·08	3·36	1·27	YEAR'S TOTAL 24·63
*Days with ·01 in. or more.	15	16	13	13	20	13	15	15	8	18	22	20	189 8
*Days with ·04 in. or more.	11	12	8	9	14	9	10	8.	6	13	17	10	127
40-9999	47·8	83·1	33·5	47·0	32·3	27·9	50·8	48·0	34·0	103·6	85·3	32·3	

(Signed) ....

[P.T.O.

*See Instruction 2 (*f*) on other side.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

3587

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Cockle Park A.P.
in the County of Northumberland

400
24

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level 325 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
34	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·11	—	—	—	·05	—	—	·52	—	—	—	·03	1
2	—	·01	·02	—	—	—	—	·10	·21	—	·01	·21	2
3	—	·01	—	—	—	—	—	—	—	·07	·22	·11	3
4	·07	—	·01	·03	—	—	—	·02	—	·02	·12	·88	4
5	—	—	·09	·06	·09	—	—	·02	·05	·01	·13	·06	5
6	·17	—	·06	·01	·31	·09	—	2·04	·05	·06	·47	·12	6
7	·01	·03	—	·02	·12	·06	—	—	—	—	—	·12	7
8	—	—	·21	—	·05	—	—	·01	·01	·01	—	·05	8
9	—	·01	—	·78	—	—	—	·01	·06	·02	·65	·02	9
10	—	—	·60	·35	—	—	—	·41	—	·02	·75	·01	10
11	·05	—	·71	1·38	—	—	—	—	—	·02	·17	·06	11
12	—	—	·63	·47	·03	—	·31	·21	—	—	·13	·11	12
13	·19	—	·06	·01	·02	—	1·40	·05	·01	—	·08	—	13
14	·37	—	·24	·01	·03	—	·11	—	·04	·01	·01	·13	14
15	—	—	·03	·01	·21	—	—	·03	·08	·37	·04	·13	15
16	·07	—	·09	—	·03	—	—	—	—	·06	1·10	—	16
17	·08	—	·04	—	·01	—	·41	—	·18	·06	—	·26	17
18	·42	—	—	—	·18	·06	·19	—	—	—	—	·05	18
19	—	—	·19	·47	·03	·03	·01	·02	·05	·02	·06	·05	19
20	—	—	·20	—	·01	·05	—	·12	·01	·01	—	—	20
21	—	—	—	—	—	·63	—	·05	·04	·11	—	—	21
22	—	·02	—	—	—	·65	·01	·01	·32	—	·03	·12	22
23	—	—	·08	·12	·01	—	·34	—	—	·07	·02	·10	23
24	—	·01	—	·07	·02	·02	—	·01	·02	·50	—	·11	24
25	—	·01	—	·10	—	—	—	—	·18	·17	—	1·07	25
26	·01	—	—	·81	—	·10	·09	—	·04	·21	—	·02	26
27	—	·20	—	·23	—	—	·01	—	—	·10	—	·12	27
28	—	—	—	·50	—	—	—	·19	—	·01	—	·45	28
29	—	×	·12	·06	—	—	·17	·21	·41	·18	—	·14	29
30	·08	×	—	—	—	—	·16	·01	·05	1·42	—	·11	30
31	·08	×	—	×	—	×	—	·01	×	—	×	—	31
99 TOTAL	1·71	0·30	3·38	5·49	1·20	1·69	3·21	4·05	1·81	3·53	3·99	4·64	YEAR'S TOTAL 35·00
*Days with ·01 in. or more.	13	8	17	19	16	9	12	20	18	23	17	27	199
*Days with ·04 in. or more.	11	1	14	13	7	7	9	10	14	13	~~10~~12	22	133
40-9999	43·4	7·6	85·9	139·4	30·5	42·9	81·5	102·9	46·0	89·7	101·3	117·9	

(Signed).. [P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.**

Station No 3567

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Cockle Park. A.P.
in the County of Northumberland.
Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level 325 ft.

400
24
74
TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	**Jan.**	**Feb.**	**March**	**April**	**May**	**June**	**July**	**August**	**Sept.**	**Oct.**	**Nov.**	**Dec.**	*Date*
35	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·34	—	·28	·08	—	—	·07	—	·85	·07	—	·06	1
2	—	—	—	·10	—	·11	—	—	·01	·75	—	—	2
3	—	·08	·10	·08	—	·13	·02	—	·06	—	·28	—	3
4	—	—	·03	—	—	·38	·01	—	·07	·23	·15	—	4
5	·09	·10	·07	·02	—	·07	·06	—	·06	·12	·06	·01	5
6	·12	·01	·01	—	—	·11	—	—	—	·18	·01	—	6
7	·22	·01	—	·25	—	·23	—	—	—	·16	·35	·05	7
8	·02	—	—	·19	—	·02	—	—	—	·02	·01	—	8
9	·01	·02	·01	·30	—	·01	—	—	—	·27	·22	·01	9
10	—	·07	—	·06	—	·08	—	—	·	·01	·20	—	10
11	·15	—	—	·02	—	·01	—	·26	·01	·01	·01	·06	11
12	—	·03	—	—	·01	·05	—	—	—	—	—	·01	12
13	·12	·01	—	·05	·32	·01	—	—	·02	·01	·03	·05	13
14	—	—	—	·06	—	·04	—	—	·04	·02	·24	—	14
15	·01	·06	—	·25	·15	·04	—	·06	·10	·10	·03	·03	15
16	—	·24	·16	·40	·55	·16	·07	·28	·35	—	·36	·25	16
17	—	—	—	·56	·13	·10	—	·05	·01	·01	1·13	·23	17
18	·14	·02	—	—	—	·41	—	·29	·12	·23	·02	·06	18
19	·06	·05	—	·04	—	·17	·25	—	·02	·01	—	—	19
20	—	·08	—	·20	—	·05	·01	—	—	—	—	—	20
21	—	—	·05	1·05	—	—	—	—	0.88	·29	·14	—	21
22	—	·24	·05	·35	—	—	—	—	·04	·01	·03	—	22
23	—	—	·01	·03	—	—	·01	·03	—	·12	—	—	23
24	·07	·44	·06	·03	—	—	—	—	·67	·03	—	—	24
25	·09	·03	·03	—	—	·02	—	—	—	—	·10	·50	25
26	·26	—	—	·04	·01	·04	—	·75	·30	·16	—	·41	26
27	·38	·05	—	—	—	·03	—	—	·12	·17	·04	·15	27
28	·01	·04	·02	—	—	—	—	—	·05	·16	·13	—	28
29	—	×	·21	—	—	·01	—	·02	·15	·08	·08	·06	29
30	—	×	—	—	—	·11	—	·11	·11	·42	·17	·01	30
31	—	×	—	×	—	×	—	—	×	·03	×	·31	31
99 TOTAL	2·09	1·58	1·09	4·16	1·17	2·39	·50	1·85	4·04	3·67	3·79	2·26	YEAR'S TOTAL 28·59
*Days with ·01 in. or more.	16	18	14	21	6	24	8	9	21	26	22	17	202
*Days with .04 in. or more.	12	11	8. 8	17.	4.	17	4·	7	16	16	15	12	139

40-9999 52

*See Instruction 2 (*f*) on other side,

M

(*Signed*) ....

[P.T.O.

3587

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~711~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1000.

REGISTER OF RAINFALL IN 1936.

400

TL

Kept at Cockle Park (A.P)

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level 325 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
36	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.28	.10	.53	—	—	.60	.04	.38	.60	—	.02	—		1
2	.11	.01	.23	—	—	—	.15	—	.02	—	—	.06		2
3	.03	.11	.01	—	—	.95	.44	.03	.24	.01	—	.02		3
4	.39	—	.04	—	.02	—	—	.21	.13	.03	.14	.05		4
5	.10	—	—	—	.05	.02	—	.05	—	.01	.04	—		5
6	.15	—	—	.01	.01	—	.07	.50	.45	.01	.12	—		6
7	.08	—	.18	—	—	—	.53	—	.15	—	.02	—		7
8	.24	—	.05	—	—	—	—	—	—	.13	—	.01		8
9	.45	.02	.70	—	—	.08	.02	—	.09	.17	.20	—		9
10	.10	—	—	.03	—	—	.03	—	—	—	.01	—		10
11	—	—	—	.10	—	.01	.03	.35	.04	.03	.75	.08		11
12	—	—	—	.22	.11	.03	.20	.34	.42	—	.28	.06		12
13	.04	—	—	.30	—	—	.48	—	—	.10	.02	0.53		13
14	—	—	—	.06	—	.33	.01	.02	.18	—	—	.35		14
15	—	—	—	.30	—	.08	.15	.08	.05	—	.10	—		15
16	.01	—	—	.01	—	—	.01	—	—	.01	.28	.01		16
17	.09	.34	—	—	—	—	.16	—	—	.04	0.98	.17		17
18	—	.15	—	—	.07	—	—	.04	—	.16	.02	.04		18
19	.03	.19	.01	.10	—	—	.09	—	~~.20~~	.20	—	.04		19
20	.63	.09	.01	.02	.01	—	.07	—	—	.02	—	—		20
21	0.03	.02	—	.01	—	—	.11	—	—	—	—	.02		21
22	—	.34	.01	—	.09	.09	—	—	—	—	—	—		22
23	—	—	.02	.13	.09	—	.49	—	—	—	—	—		23
24	.04	0.34	.02	—	.89	—	—	—	.95	.16	.01	—		24
25	.24	—	.10	.02	.03	—	.03	—	.20	—	—	—		25
26	.02	0.06	.24	—	—	—	—	—	.10	.19	—	—		26
27	.03	.02	.12	—	.01	—	—	—	.10	.01	—	—		27
28	.17	.45	.05	—	—	—	—	—	—	—	—	—		28
29	.62	.77	.09	—	.09	.40	.14	—	—	.10	—	—		29
30	.01	X	.01	—	.02	.05	.20	—	—	.11	—	—		30
31	.02	X	.09	X	—	X	X	—	X	—	X	.08		31
TOTAL 99	3.91	3.01	2.51	1.31	1.49	2.94	3.45	2.00	3.72	1.49	2.99	1.52	Year's Total. 30.34	
* Days with .01 in. or more.	24	15	19	1~~3~~4	13	11	21	10	15	18	15	14	18~~7~~9	
* Days with .04 in. or more.	16	11	12	7	7	8	15	8	14	10	9	10	127	

40-9999

† Spare column, no entries required.

(*Signed*) ....

[P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE.

Sect **A** for the entry of Daily Observations. Station No. 7H 3587

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090. Morpeth

REGISTER OF RAINFALL IN 1937.

Kept at (Cockle Park) (A.P)

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 325 ft.

TL

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
37	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·03	·04	·22	·01	–	·13	–	–	·16	·08	·01	·04		1
2	–	·24	–	·24	–	·12	–	–	·01	·01	–	·29		2
3	–	·08	–	·05	·07	·12	·55	–	·01	–	–	28		3
4	·10	–	·11	·04	–	·05	–	·25	–	–	–	·09		4
5	·02	–	·04	·01	·30	·03	·07	–	·33	–	–	·51		5
6	–	·01	·11	·14	·07	–	–	–	·03	–	·19	·17		6
7	–	·21	·19	·15	·01	·07	·05	–	·01	·01	·07	·41		7
8	–	·49	·09	·01	–	·01	·17	·01	–	·01	·05	·31		8
9	–	–	·25	·05	–	–	·19	·09	–	–	·14	·07		9
10	–	–	·10	·01	·21	·01	·07	–	·01	–	·39	·02		10
11	–	–	·71	·10	·03	·08	–	–	–	–	·01	·79		11
12	·05	·23	1·37	·09	·01	–	–	·05	·09	–	–	·08		12
13	–	·08	·01	·05	·09	·05	–	·34	·15	·01	·01	·72		13
14	–	–	·03	·01	–	·38	–	·51	·07	·01	–	·61		14
15	·09	·46	–	·31	–	–	·02	–	·08	–	–	·22		15
16	·05	·03	·37	·45	–	·06	–	·09	·24	–	·08	·47		16
17	·14	·03	·20	·06	·05	·06	–	·02	·54	–	–	·13		17
18	–	·01	·01	–	–	·09	·01	·15	·01	–	·11	–		18
19	–	·02	·01	·05	–	·06	–	·05	·01	–	·29	–		19
20	·03	–	·06	·13	1·34	–	·03	·01	–	–	·01	·01		20
21	·01	–	·01	·05	·27	–	·36	·01	–	·07	–	·21		21
22	·09	–	·25	–	·03	·04	–	–	–	·07	·11	·01		22
RP 23	·26	–	·01	–	·09	·06	05 ~~·50~~	–	–	·90	·05	–		23
24	·20	–	–	–	·16	–	·25	–	·08	·33	–	·02		24
25	·18	·43	–	–	·07	–	–	·21	–	·24	–	–		25
26	·04	·18	·13	–	·47	–	–	–	·01	–	·02	–		26
27	–	·65	·02	·03	–	·02	·01	–	–	·65	–	·03		27
28	·20	–	·01	–	–	·03	–	–	–	·11	–	·04		28
29	·70	X	–	–	–	·04	–	·17	–	·08	·01	·06		29
30	1·18	✕	–	–	–	·02	–	·29	·03	·01	·04	·05		30
31	·56	✕	–	✕	–	✕	–	·33	✕	·42	✕	·01		31
99 TOTAL	3·93	3·19	4·31	2·04	3·27	1·53	~~2·28~~ X·83	2·58	1·8~~X~~ 7	3·01	1·59 1·59	5·65	Year's Total ~~35·25~~ 34·80	~~35·25~~
* Days with .01 in. or more.	18	16	23	21	16	21	13	16	1~~7~~8	16	17	26	221	
* Days with .04 in. or more.	14	11	15	15	12	15	9	12	9	10	11	20	153	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

74

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3587

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM [illegible]00

REGISTER OF RAINFALL IN 1938

Kept at Morpeth (Cockle Park A.P.)

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 325 ft.

T. L 400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
38	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·01	·07	–	–	–	1·47	·32	–	–	–	·08	·12		1
2	·08	–	–	–	–	·25	·11	–	·09	·34	·02	·05		2
3	·13	–	–	·04	–	·02	·01	–	·06	·50	·09	·01		3
4	·19	–	–	·01	–	–	·04	·03	–	·18	·02	·40		4
5	–	·06	·01	–	–	–	·36	·05	·08	–	–	·02		5
6	·11	·02	–	–	–	·01	·22	·05	·01	·15	–	·03		6
7	–	–	–	–	–	–	·44	·11	·10	–	·08	–		7
8	·22	–	–	–	–	–	·08	·02	–	·47	·53	·23		8
9	·41	·02	–	–	·08	·05	·01	·01	–	–	–	·26		9
10	–	–	–	–	–	·19	·01	–	·03	–	–	·05		10
11	·03	–	–	–	·06	·06	–	–	–	·06	·06	·08		11
12	·06	·10	–	–	·08	–	–	·08	–	·16	·30	–		12
13	·09	·14	–	–	·03	–	·03	·02	·15	·02	·08	·14		13
14	·12	·15	–	–	·10	–	–	–	–	–	–	·04		14
15	·09	·11	–	–	·02	–	·06	·23	–	–	–	·28		15
16	·38	·01	–	–	·13	–	·15	·03	·22	·09	–	·29		16
17	–	–	–	–	·69	–	·02	·02	·01	·63	–	–		17
18	·02	·07	–	–	·01	·05	–	–	·15	·12	·24	–		18
19	–	·01	·08	–	·07	–	–	·08	·03	–	–	·03		19
20	–	–	·26	–	–	·11	–	–	·18	–	–	·08		20
21	–	–	·03	–	–	–	–	·35	–	–	·05	·08		21
22	–	·01	·01	·01	·02	–	–	–	–	–	·20	·22		22
23	–	–	–	–	–	·14	–	–	–	–	·17	·07		23
24	·01	–	·01	–	–	·01	·06	·83	·17	·18	·02	·10		24
25	–	·01	–	·01	·24	–	·44	·03	–	·34	·21	·17		25
26	–	·16	·02	–	·23	·13	–	–	·02	·07	–	·01		26
27	·05	·03	–	·02	·29	·05	·26	·23	·05	–	·02	·06		27
28	·11	·01	–	–	·66	·12	·01	–	·14	–	–	·04		28
29	·02	×	–	·06	·39	–	·03	·33	–	–	·07	–		29
30	·07	✗	–	–	·01	–	·01	·17	·48	–	·11	–		30
31	·15	✗	–	✗	·39	✗	–	–	✗	·10	✗	·60		31
99 TOTAL	2·35	·98	·42	·15	3·50	2·66	2·67	2·67	1·97	3·41	2·35	3·46	Year's Total 26·59	
* Days with .01 in. or more.	20	16	7	6	18	14	20	18	17	15	17	25	193	
* Days with .04 in. or more.	15	8	2	2	13	11	12	11	12	14	14	20	134	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

1.53

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. ~~74~~ 3587

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Morpeth (Cockle Park A.P.)

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. 0 in.

" Ground " Sea Level 325 ft.

400

T.L.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
39	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·93	—	·14	—	—	—	·01	—	·16	·48	07	·03		1
2	·32	—	—	·07	—	—	·04	·38	·56	·03	05	—		2
3	·11	—	·05	—	—	—	·12	·04	—	·03	14	·07		3
4	·14	—	·20	—	—	—	·15	—	·01	·01	36	·01		4
5	—	—	—	—	·20	—	·25	·26	—	·25	·41	·14		5
6	—	—	·02	—	—	—	·36	—	—	·18	·01	·06		6
7	·30	—	·03	—	·19	—	—	·04	—	·16	—	·02		7
8	·33	·12	·09	·10	—	—	·09	·52	—	—	·03	·36		8
9	·06	·05	—	·01	—	—	·40	·24	·06	·72	·01	·18		9
10	·04	—	·02	—	—	—	—	·05	·19	·02	—	—		10
11	·36	·01	·33	—	·03	·06	—	·04	·03	·60	·02	·05		11
12	—	·01	—	—	—	·02	·06	—	·02	1·22	·03	—		12
13	—	—	·02	·02	·26	·01	—	—	·02	·19	—	—		13
14	·59	—	·09	·10	·11	·23	·16	—	·04	·24	·02	·02		14
15	·12	·03	—	—	·02	·96	·01	—	—	·02	—	·05		15
16	·11	—	·07	—	·19	—	—	—	—	—	—	—		16
17	·44	—	—	—	·08	·02	—	—	·02	—	·01	—		17
18	·47	·01	·13	—	—	·10	·11	—	—	·07	·50	—		18
19	·24	—	—	—	—	·44	—	—	—	·01	—	·04		19
20	—	—	—	—	·07	·01	·02	·04	—	—	—	—		20
21	·12	·02	·02	·15	·14	·01	—	·04	·01	—	—	—		21
22	·30	·26	·01	·01	·01	·01	·01	—	—	—	·03	—		22
23	·03	·12	·01	·06	—	·10	·03	—	·01	—	—	—		23
24	—	·02	·17	·32	—	·06	—	·01	—	—	·02	—		24
25	·17	·04	·05	·13	—	—	—	·04	—	·11	·10	·10		25
26	·07	—	·04	·03	—	—	—	·10	·07	·30	·01	·01		26
27	·14	21	·88	·02	—	·25	·07	·04	—	·17	—	—		27
28	·05	·04	·50	·08	—	·04	·06	·01	—	—	·22	·07		28
29	·05	X	·04	—	—	·02	·42	—	—	·47	·04	—		29
30	·03		—	·03	—	·04	·05	·13	·05	·02	·39	—		30
31	—		·02		—		·37	—		·07		—	29·27	31
TOTAL 99	5·52	·94	2·93	1·13	1·30	2·38	2·79	1·98	1·25	5·34	2·47	1·21	Year's Total ~~29·27~~	29·27 28.27
* Days with .01 in. or more.	24	13	22	14	11	17	20	16	14	22	20	16	209	
* Days with .04 in. or more.	22	7	14	8	8	10	15	14	7	15	10	10	140	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

74

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3587 ✓

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Morpeth (Cockle Park A.P.)
in the County of Northumberland
Diameter of Funnel of Gauge 8 in.
Height of top of Gauge above Ground 1 ft. 0 in.
„ Ground „ Sea Level 325 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
40	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	—	·06	—	·05	—	—	·01	—	—	—	·06	—		1
2	·03	—	—	·05	—	—	·03	—	—	—	·68	·07		2
3	·02	·22	·01	·05	—	—	·08	—	—	·06	—	—		3
4	—	·27	—	·07	—	—	·17	·01	—	·11	·04	·13		4
5	—	·01	—	—	·26	—	·15	·08	—	·12	·19	·19		5
6	·09	·03	—	—	—	—	·08	—	—	·20	·30	·44		6
7	·06	·26	—	·02	·02	—	·01	·04	·02	—	—	·02		7
8	·01	—	·03	—	—	—	·01	·15	·05	·26	·08	·06		8
9	—	—	·26	·01	—	—	·29	·01	—	·10	·35	—		9
10	—	—	—	—	—	—	·83	·02	·01	—	·09	—		10
11	—	·09	·48	—	—	—	·32	—	·09	—	·45	—		11
12	—	—	·65	—	—	—	—	—	·03	—	·01	—		12
13	—	·15	·12	—	—	—	·25	—	·01	—	·02	·09		13
14	—	·14	·02	·01	—	—	·84	—	·01	·02	—	·20		14
15	·20	—	—	—	·09	·05	—	—	—	·01	·33	—		15
16	·06	—	—	—	—	—	·66	—	·94	·37	·01	·01		16
17	—	—	·12	—	—	—	1·10	—	·02	·06	·69	—		17
18	—	·01	·26	·03	—	—	·04	·03	·04	—	·11	·10		18
19	—	·02	·02	·05	—	—	·07	·05	·16	—	·18	·05		19
20	—	·03	·01	·10	·01	—	·16	·17	—	·01	·01	—		20
21	·60	—	·06	·10	—	·38	—	·04	—	·28	—	—		21
22	·19	—	·04	—	·02	·01	·06	·01	·15	·42	—	—		22
23	·03	·04	·16	·20	·04	—	·12	—	—	·06	·05	·02		23
24	·09	·01	—	·05	·01	—	·07	—	·02	·19	—	·13		24
25	—	—	—	—	·01	—	·08	—	—	—	—	·02		25
26	·34	·09	—	·01	·19	·05	·48	·13	·02	—	—	—		26
27	·07	·17	—	·02	—	·13	·01	—	—	·17	—	—		27
28	·02	·37	—	·03	—	—	—	·07	—	—	—	—		28
29	·14	—	·33	·01	·05	·04	·01	—	—	·01	—	·17		29
30	·09	✕	—	—	·01	—	—	—	—	·29	—	·71		30
31	·60	✕	·17	✕	·01	✕	—	—	✕	18	✕	·32		31
TOTAL 99	2·64	1·97	2·74	·86	·72	·66	5·93	·81	1·57	2·92	3·65	2·73	Year's Total 27·20	
* Days with ·01 in. or more.	17	14	16	17	12	6	25	13	14	18	18	17	190	
* Days with ·04 in. or more.	12	11	11	9	4	5	19	8	6	15	14	13	127	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

331A

3588

Section **A** for the entry of
AIR MINISTR

FORM 1090. **REGIS**

Kept at Font: Res. Tynem
in the County of North

Diameter of Funnel of Gauge
Height of top of Gauge above Grou
,, Ground ,, Sea

THE MORNING MEAS

An observer who does not conform
year in the space on the right of

3588

TYNEMOUTH, FONT RES.

1931 — 40

780702

FOR OFFICIAL USE.
ORGANIZATION.

ollowing

Jan. 1, following

Date	Jan.	Feb.	March	Apri	May						Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·04	·19		·04	·02	·02		·55	·08	·01	·01	1
2	·02	·11	·01	·62	·06	·78	·05		·03	·06		·10	2
3	·02	·02				·07	·14		·20	·03	·75	·33	3
4		·07			·01	·06			·68		·05	·06	4
5					·24	·09	·02	·04	·03	·03	·02	·53	5
6		·15	·08	·01	·12	1·76	·33	·41		·07	·02		6
7		·04	·11		·11	·09		·09		·08	·42	·02	7
8	·07	·01	·22		·14	·11	·80	·14	·08	·03	·14		8
9	·04	·10	·13		·10	·13		·15		·16	·23	·02	9
10		·01	·17		·12	·17	·05	·05	·30		·03		10
11		·09		·04		·17	·51		·04	·05	·04		11
12	·12	·18				·05	·12	·04	·01			·01	12
13	·04		·11	·02	·15	·10	·04	·01					13
14	·03	·14	·03	·07	·02	·90	·05	·14			·11	·07	14
15	·02	·04		·03	·04	·06		·13	·01		·02	·02	15
16	·03	·25		·08		·01	·15	·35	·07	·01	·01		16
17		·30		·45		·07	·35	1·00	·01	·07	·18		17
18	·32	·04		·11		·03	·10		·04		·78		18
19	·04	·02	·01			·01	·04	~~44~~	·05	·05	·01		19
20	·01	·03		·01	·02			·06	·03		·04	·02	20
21	·02	·02		·11			·01	·10			·01		21
22	·20	·02		·35	·01		·10	·03			·01	·01	22
23	·12			·21	·30	·64			·06	·16	·86	·05	23
24		·05		·19	·50		·02		·02	·04	·11	·01	24
25				·81	·06		·04		·01		·04		25
26				·17			·09				·49	·01	26
27	·11		·19	·25			·02	·01		·16	·24	·03	27
28	·18	·02	·02	·04	·67		·04						28
29	1·28		·05		·01		·13		·02	·37	·06	·20	29
30		✕	·03	·04	·29		·01		·03		·01	·02	30
31	·66	✕		✕	·13	✕	·13		✕		✕	·03	31
TOTAL	3·33	1·75	1·35	3·61	3·14	5·32	3·36	3·19 ~~2·19~~	2·29	1·45	4·69	1·55 ~~1·35~~	YEAR'S TOTAL 35·03
*Days with ·01 in. or more.	19	22	14	19	21	20	25	17	20	16	26	19	238
*Days with ·04 in. or more.	12	14	9	15	16	16	19	14	10	12	16	7 ~~6~~	160

40-9999 M

*See Instruction 2 (*j*) on other side.

(*Signed*) D. Munro

[P.T.O.

331A

3588

Section **A** for the entry of

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Font: Res. Tynemouth W.W

in the County of Northumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level..........ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·04	·19		·04	·02	·02		·55	·08	·01	·01	1
2	·02	·11	·01	·62	·06	·78	·05		·03	·06		·10	2
3	·02	·02				·07	·14		·20	·03	·75	·33	3
4		·07			·01	·06			·68		·05	·06	4
5					·24	·09	·02	·04	·03	·03	·02	·53	5
6		·15	·08	·01	·12	1·76	·33	·41		·07	·02		6
7		·04	·11		·11	·09		·09		·08	·42	·02	7
8	·07	·01	·22		·14	·11	·80	·14	·08	·03	·14		8
9	·04	·10	·13		·10	·13		·15		·16	·23	·02	9
10		·01	·17		·12	·17	·05	·05	·30		·03		10
11		·09		·04		·17	·51		·04	·05	·04		11
12	·12	·18				·05	·12	·04	·01			·01	12
13	·04		·11	·02	·15	·10	·04	·01					13
14	·03	·14	·03	·07	·02	·90	·05	·14			·11	·07	14
15	·02	·04		·03	·04	·06		·13	·01		·02	·02	15
16	·03	·25		·08		·01	·15	·35	·09	·01	·01		16
17		·30		·45		·07	·35	1·00	·01	·07	·18		17
18	·32	·04		·11		·03	·10		·04		·78		18
19	·04	·02	·01			·01	·04	~~·44~~	·05	·05	·01		19
20	·01	·03	·	·01	·02			·06	·03		·04	·02	20
21	·02	·02		·11			·01	·10			·01		21
22	·20	·02		·35	·01		·10	·03			·01	·01	22
23	·12			·21	·30	·64			·06	·16	·86	·05	23
24		·05		·19	·50		·02		·02	·04	·11	·01	24
25				·81	·06		·04		·01		·04		25
26				·17			·09				·49	·01	26
27	·11		·19	·25			·02	·01		·16	·24	·03	27
28	·18	·02	·02	·04	·67		·04						28
29	1·28		·05		·01		·13		·02	·37	·06	·20	29
30		✕	·03	·04	·29		·01		·03		·01	·02	30
31	·66	✕		✕	·13	✕	·13		✕		✕	·03	31
TOTAL	3·33	1·75	1·35	3·61	3·14	5·32	3·36	3·19 ~~2·19~~	2·29	1·45	4·69	1·55 ~~1·35~~	YEAR'S TOTAL 35·03
*Days with ·01 in. or more.	19	22	14	19	21	20	25	17	20	16	26	19	238
*Days with ·04 in. or more.	12	14	9	15	16	16	19	14	10	12	16	7 ~~6~~	160

40-9999 M

*See Instruction 2 ( ) on other side.

(Signed) D Munro

[P.T.O.

3588

FORM 1090. **B** Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

At Fontburn

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 10 in Square in.
- *Height of Top above Ground* 1 *ft.* 2 *in.*
- *Height of Ground above Sea Level* 620 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	3·33	1·28	29	19	12
FEB.	1·75	·30	17	22	13
MAR.	1·35	·22	8	14	9
APRIL	3·61	·81	25	19	15
MAY	3·14	·67	26	21	16
JUNE	5·32	1·76	6	20	16
JULY	3·36	·80	8	25	19
AUG.	3·19	1·00	17	17	14
SEPT.	2·29	68	4	20	10
OCT.	1·45	37	29	16	12
NOV.	4·59	86	23	26	16
DEC.	1·55	53	5	19	7
Total	349·3			238	159

Signature D Munro

M.

*See Instruction 2 (*f*) below.

C Particulars of Station. No 3588

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

D Munro
Fontburn Ewesley Morpeth

Hour of observation by the clock—in Winter 9 a m in Summer 9 a m

Nearest Railway Station Fontburn Distance 1/2 Direction from gauge N. E

Nearest Parish Church at Netherwitton Distance 4 M Direction from gauge East

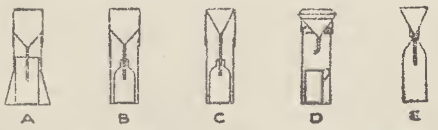
Nature of objects nearest to gauge	Stable			
Heights of objects	15' 0"			
Distances ..	25' 0"			
Directions from gauge ..	N - E.			

If gauge has been moved during the year state—

Date of move Not Moved Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



Gauge like E
10 in. Square

If you know of any record of rainfall not quoted in British Rainfall, please give the observer's name and address:—

I dont know of any

400

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

I have not Seen the British Rainfall therefore Cant give observers names

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at* 9 *a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3588

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Font Res, Tynemouth W.W.
in the County of Northumberland
Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

accept this version
400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·05	·02		·07	·01				·16	·10	·03	·14	1
2	·05			·01	·30		·15		·27	·07	·06	·12	2
3	·01	·01		·13		·03	·05		·16	·05	·03	·16	3
4	·01	·01		·01	·11		·42	·03	·07			·06	4
5	·05		·08	·03	·22	·01			·08		·01	·03	5
6	·05		·02	·04	·02				·09	·12		·04	6
7	·01		·33	·01	·10				·20	·02	·01		7
8	·02	·12	·02	·08	·20				·30	·54	·01	·10	8
9	·40	·13		·59	·15				·07	·06	·01	·11	9
10	·02	·03	·05	·16					·34	·66		·19	10
11		·06		·06	·30		·62			·05	·01		11
12	·18	·10	·04	·01	·25	·03	·01			·15	·05	·01	12
13	·13	·14	·01	·16	·08		·02	·09	·16	·01		·19	13
14	·18			·04						·02	·06	·01	14
15	·20				·10					·06	·21	·04	15
16	·45		·01				·01			·39	·09	·32	16
17			·03	·03	·13		·09	·11	·01			·35	17
18					·12							·04	18
19		·02	·11	·13	·08	·02				·20	·01	·01	19
20			·18	·09	·07		·02	·52		·12		·07	20
21	·04		·40	·01	·17		·08	·57		·68	·01		21
22			·45	·10	·02		·23			·04		·01	22
23		·02		·21	·02		·12		·02	·01	·26		23
24		·15	·01	·02	·02		·12		·07	·10	·01		24
25		·05		·01	·12				·19	·11	·12		25
26		·02	·01	·26	·18		·20		·41	·06	·09		26
27			·62	·24	·08	·40	·45		·01	·45			27
28	·01		·04	·34	·52	·35			·10	·38			28
29			·60	·01	·03	·01	·43	·44	·02	·24	·10	·20	29
30	·01	×	·15	·01	·01	·35	·10		1·31	·18	·06		30
31		×	·02	×		×	·05		×		×	·05	31
TOTAL	1·87	·88	3·18	2·86	3·41	1·20	3·17	1·76	4·04	4·97	1·24	2·25	YEAR'S TOTAL 30·73
*Days with ·01 in. or more.	18	14	20	27	26	8	18	6	20	26	20	21	224
*Days with ·04 in. or more.	11	7	12	16	19	3	14	5	16	22	10	16	151

40-9999

(Signed) D. Munro [P.T.O.

*See Instruction 2 (*f*) on other side.

✓✓✓ck.

3588

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Fontburn

In the County of Northumberland

Rain Gauge
Diameter of Funnel 10 in Square in.
Height of Top above Ground 1 *ft.* 2 *in.*
Height of Ground above Sea Level 620 0 *ft* D

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	187	45	16	18	11
FEB.	88	15	25	14	7
MAR.	318	62	27	20	8
APRIL	2·60	59	9	26	11
MAY	341	52	28	26	19
JUNE	120	40	27	8	5
JULY	327	62	11	18	15
AUG.	176	57	21	6	5
SEPT.	402	131	30	19	16
OCT.	487	68	21	26	22
NOV.	127	26	22	21	10
DEC.	225	35	17	21	16
Total	3058 ✓			223 ✓	145 ✓

Signature D Munro

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
D Munro Fontburn Ewesley Morpeth
Northumberland

Hour of observation by the clock—in Winter 9 am in Summer 10 a m

Nearest Railway Station Fontburn Halt Distance ½ Mile N Direction from gauge N E

Nearest Parish Church at Netherwitton Distance 4 M Direction from gauge W.

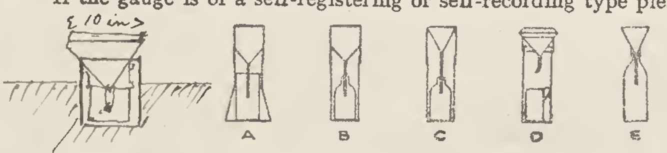
Nature of objects nearest to gauge	Stable			
Heights of objects	15′ 0″			
Distances ..	25′ 0″			
Directions from gauge ..	N E.			

If gauge has been moved during the year state—

Date of move Not Moved Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

Dont know

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

400

M.O. 7
5 JAN 1933

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3588

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. ~~3588~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Check again

Kept at Fontburn Water Works

in the County of Northumberland

Diameter of Funnel of Gauge 10 in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 617 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	—	—	·06	—	—	·01	—	·07	·04	·08	1
2	·24	·05	25	—	—	22	—	—	—	—	76	·05	2
3	·11	·12	28	—	12	—	—	—	—	·01	1·00	·01	3
4	·09	·06	·08	—	·05	—	—	—	—	—	—	—	4
5	—	·01	·01	·01	16	—	—	—	—	—	—	—	5
6	·01	·18	·02	·01	·02	—	—	—	—	·01	·02	·14	6
7	·05	·15	—	·04	·08	—	—	—	—	96	—	·02	7
8	·02	·02	·02	—	12	—	·01	—	—	·01	—	·18	8
9	·01	20	—	—	·05	·03	21	—	—	39	·04	·09	9
10	·03	·04	—	—	—	·03	·01	—	·01	·01	11	·07	10
11	·02	·01	·02	—	·08	·03	·02	·06	—	·02	·01	·01	11
12	·01	—	·01	—	15	22	·01	—	12	·01	·01	14	12
13	·01	—	·06	—	18	—	42	·06	—	·05	·08	·01	13
14	·16	—	·06	—	·08	—	43	·01	—	·01	·09	·19	14
15	·05	—	·04	·06	—	·08	·05	12	—	15	25	·01	15
16	17	—	·02	11	20	10	35	·01	—	—	18	·02	16
17	·21	·09	—	17	·01	22	—	·04	·08	—	26	·03	17
18	—	32	·08	·07	—	10	—	15	—	—	41	—	18
19	—	·05	·03	—	·01	—	—	·03	·02	—	·08	·01	19
20	—	·05	—	·02	27	·01	—	·01	25	·08	·02	—	20
21	—	—	—	—	—	—	—	·08	20	30	10	—	21
22	—	·02	—	—	—	—	—	·03	·02	60	·01	—	22
23	—	·04	—	—	50	38	—	—	27	·06	11	—	23
24	—	59	—	40	·03	·03	·06	·01	12	40	·02	·04	24
25	—	69	—	32	—	·01	·03	—	28	10	·03	—	25
26	·05	72	—	22	·05	—	—	—	21	14	·04	·05	26
27	—	·07	—	—	·01	—	22	—	—	14	21	·05	27
28	·05	·01	—	·01	—	—	·03	96	—	65	·01	·09	28
29	—		—	·16	—	—	13	·03	·02	26	—	·04	29
30	·05	X	·02	11	—	—	10	—	·03	—	—	·06	30
31	·22	X	·03	X	—	X	·04	·07	X	·01	X	·06	31
TOTAL	1·56	3·49	1·03	1·71	2·23	1·46	2·12	1·68	1·63	4·38	3·89	1·4~~6~~5	YEAR'S TOTAL 266~~4~~3
*Days with ·01 in. or more.	19 ✓	21 ✓	16 ✓	14 ✓	20 ✓	13 ✓	16 ✓	16 ✓	13 ✓	23 ✓	24 ✓	23 ✓	218 ✓
*Days with .04 in. or more.	12 ✓	1~~5~~16	7 ✓	10 ✓	1~~4~~15	7 ✓	10 ✓	8 ✓	8 ✓	14 ✓	16 ✓	15 ✓	13~~4~~8

40-9999

*See Instruction 2 (*f*) on other side,

D

M

(Signed) William McKay

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

400

Kept at Fontburn Water Works

in the County of Northumberland

Diameter of Funnel of Gauge 10 in.

Height of top of Gauge above Ground 1 ft 2 in.

,, Ground ,, Sea Level 617 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·08	—	—	04	—	—	—	39	·02	—	—	01		1
2	·01	·01	·05	—	—	—	—	14	17	—	02	29		2
3	·01	·05	—	·01	—	—	—	—	—	10	15	23		3
4	·07	—	·09	·07	—	—	—	—	·01	21	21	105		4
5	·02	—	10	·04	·09	·02	—	—	—	·05	38	·09		5
6	15	—	·04	·09	26	11	—	110	·07	10	66	20		6
7	·02	·05	—	10	·09	·05	—	—	—	·02	—	12		7
8	—	—	20	—	11	·02	—	·02	·03	17	02	·05		8
9	—	—	—	71	—	—	—	·01	11	·03	105	·01		9
10	—	—	40	57	—	—	—	60	—	·01	102	—		10
11	·06	—	127	113	—	—	—	·03	—	—	·02	·05		11
12	·01	—	105	40	·07	—	27	37	—	—	·20	14		12
13	40	—	14	·03	·04	·01	132	·06	·02	·04	·01	—		13
14	32	—	17	—	·02	·01	15	·01	·02	·02	·03	19		14
15	·04		·05	·03	44	—	·01	·02	·01	66	·06	20		15
16	20		21	—	·03	—	—	—	—	·02	18	—		16
17	13		15	—	·07	—	46	—	21	10	·02	27		17
18	57		·02	20	18	·07	19	06	·01	—	—	12		18
19	—		22	57	14	·09	·02	—	·01	·05	·05	·06		19
20	—		13	·01	05	·06	—	29	·01	·02	—	—		20
21	·01		—	—	—	89	—	14	·08	·03	—	—		21
22	—		—	·03	—	69	—	·09	27	·03	·02	13		22
23	—		·05	16	—	—	31	—	—	·05	·08	18		23
24	—	·01	—	·01	·02	·08	·01	·06	·02	62	—	11		24
25	·03	·05	—	·06	—	—	·01	—	26	27	—	68		25
26	·06	—	—	20	—	12	·06	—	·09	40	—	·04		26
27	—	45	—	41	—	·01	·03	—	·03	·07	—	15		27
28	—	—	02	·51	—	—	·01	·07	—	·06	—	23		28
29	—		23	·01	—	—	19	·41	34	24	—	10		29
30	24	×	—	—	—	—	·01	—	15	185	—	·08		30
31	·09	×	—	×	—	×	—	·01	×	—	×	·04		31
TOTAL	2·46	62	4·59	5·39	1·61	2·23	3·05	3·98	1·94	5·22	4·18	4·82	Year's Total. 4009	
* Days with .01 in. or more.	20	6	19	23	14	14	15	19	21	25	18	26	220	
* Days with .04 in. or more.	12	4	17	16	11	9	8	13	10	17	11	24	152	

40-9999

M

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) William McKay [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Font. Res. Tynemouth W.W.
in the County of Northumberland

400

Diameter of Funnel of Gauge..................in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

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	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03			·04				·39	·02			·01		1
2	·01	·01	·05					·14	·17		·02	·29		2
3	·01	·05		01						·10	15	23		3
4	07		09	07					01	·21	21	1·05		4
5	·02		·10	04	·09	·02				·05	·38	·09		5
6	15		·04	·09	26	·11		1·10	·07	·10	66	·20		6
7	·02	·05		·10	·09	·05				·02		·12		7
8			20		·11	·02		·02	·03	·17	·02	·05		8
9				·71				·01	·11	·03	1·05	·01		9
10			·40	·57				·60		·01	1·02			10
11	·05		1·27	1·13				03			02	·05		11
12	·01		1·05	40	·07		·27	·37			20	14		12
13	40		·14	·03	·04	·01	1·32	·06	·02	·04	·01			13
14	·32		·17		·02	·01	·15	·01	·02	·02	·03	·19		14
15	·04		·05	03	44		·01	·02	·01	·66	·06	·20		15
16	·20		·21		·03					·02	·18			16
17	·13		15		·07		46		·21	·10	·02	·27		17
18	·57		·02	·20	·18	·07	·19	·06	·01			·12		18
19			·22	·57	·14	·09	·02		·01	·05	·05	·06		19
20			·13	·01	·05	·06		·29	·01	·02				20
21	·01					·89		·14	·08	·03				21
22				·03		·69		·09	·27	·03	·02	·13		22
23			·05	·16			·31			·05	·08	·18		23
24		·01		·01	·02	·08	·01	·06	·02	·62		·11		24
25	·03	·05		·06			01		26	·27		·68		25
26	06			·20		·12	·06		·09	·40		·04		26
27		·45		·41		·01	·03		·03	·07		·15		27
28			·02	·51			·01	·17		·06		·23		28
29			23	·01			·19	·41	·34	·24		·10		29
30	·24	✕					·01		·15	1·85		·08		30
31	·09	✕		✕		✕		·01	✕		✕	·04		31
TOTAL	2·46	·62	4·59	5·39	1·61	2·23	3·05	3·98	1·94	5·22	4·18	4·82	Year's Total 40·09	
*Days with ·01 in. or more.	20	6	19	23	14	14	15	19	21	25	18	26	220	
*Days with .04 in. or more.	12	4	17	16	11	9 ~~8~~	8	13	10	17	11	24	152	

40-9999
*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*)..

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Fontburn Water Works
in the County of Northumberland
Diameter of Funnel of Gauge 10 in.
Height of top of Gauge above Ground — ft. 14 in.
,, Ground ,, Sea Level 617 ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	54	·07	49	·03	—	—	16	—	35	03	·01	·08		1
2	01	—	·05	·02	—	14	—	—	11	109	·02	—		2
3	—	15	17	11	—	55	·05	—	—	—	21	—		3
4	—	—	·04	—	—	30	·02	—	·03	26	11	—		4
5	31	12	·07	·04	—	·06	—	—	30	—	·04	·03		5
6	14	·02	·01	·01	—	39	—	—	—	17	·03	—		6
7	22	—	·01	25	—	24	—	—	—	·07	18	10		7
8	—	—	—	23	—	·04	—	—	—	·05	·02	·02		8
9	—	·02	—	42	—	·04	—	—	—	22	22	11		9
10	—	·06	—	14	—	11	—	—	—	·02	17	—		10
11	27	·04	—	·07	—	·07	—	19	·01	·03	·02	·06		11
12	—	·04	—	—	·02	·01	—	—	—	—	—	·02		12
13	10	·03	—	·03	30	·05	11	—	·04	·04	—	·01		13
14	—	—	·02	10	·02	·04	—	—	·02	—	25	13		14
15	—	15	—	32	15	22	—	·08	39	20	·04	20		15
16	—	38	·09	38	67	·01	·08	32	82	—	43	15		16
17	—	02	—	34	·06	·06	—	30	·03	·03	110	·09		17
18	·09	19	—	—	·01	68	·04	·06	21	46	·04	·03		18
19	·03	16	—	·07	—	22	30	—	·02	03	—	—		19
20	—	15	—	35	—	·08	·01	—	—	—	·05	—		20
21	—	·04	·03	42	—	—	—	—	69	30	17	—		21
22	—	25	·04	34	—	—	—	—	·08	—	·05	—		22
23	·04	—	·08	·06	—	—	—	06	—	21	—	—		23
24	13	Snow 90	·09	·05	—	—	—	—	35	·02	—	26		24
25	09	—	·03	—	—	·02	—	—	—	—	13	16		25
26	Snow 32	—	—	·03	·01	·06	·02	122	29	15	—	30		26
27	16	·06	—	—	—	·01	—	—	11	10	·03	10		27
28	·01	·08	—	—	—	—	—	—	·07	18	23	—		28
29	—		21	—	·01	03	—	·01	16	14	·04	10		29
30	—	✕	—	—	—	15	—	18	23	81	40	·01		30
31	—	✕	—	✕	—	✕	—	—	✕	19	✕	27		31
TOTAL	2·46	2·92	1·43	3·81	1·25	3·58	79	2·42	4·31	4·79	3·99	2·23	Year's Total 33·98	
* Days with .01 in. or more.	15 ✓	20 ✓	15 ✓	22 ✓	9 ✓	24 ✓	9 ✓	9 ✓	20 ✓	23 ✓	24 ✓	20 ✓	21[illegible] ✓	
* Days with .04 in. or more.	12 ✓	16 ✓	10 ✓	17 ✓	4 ✓	19 ✓	6 ✓	8 ✓	15 ✓	17 ✓	18 ✓	14 ✓	156 ✓	

40-9999.

* See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Font. Res. Tynemouth W.W.

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Dup

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·54	·07	·49	·03			·16		·35	·03	·01	·08		1
2	·01		·05	·02		·14			·11	1·09	·02			2
3		·15	·17	·11		·55	·05				·21			3
4			·04			·30	·02		·03	·26	·11			4
5	·31	·12	·07	·04		·06			·30		·04	·03		5
6	·14	·02	·01	·01		·39				·17	·03			6
7	·22		·01	·25		·24				·07	·18	·10		7
8				·23		·04				·05	·02	·02		8
9		·02		·42		·04				·22	·22	·11		9
10		·06		·14		·11				·02	·17			10
11	·27	·04		·07		·07		·19	·01	·03	·02	·06		11
12		·04			·02	·01						·02		12
13	·10	·03		·03	·30	·05	·11		·04	·04		·01		13
14			·02	·10	·02	·04			·02		·25	·13		14
15		·15		·32	·15	·22		·08	·39	·20	·04	·20		15
16		·38	·09	·38	·67	·01	·08	·32	·82		·43	·15		16
17		·02		·34	·06	·06		·30	·03	·03	1·10	·09		17
18	·09	·19			·01	·68	·04	·06	·21	·45	·04	·03		18
19	·03	·15		·07		·22	·30		·02	·03				19
20		·15		·35		·08	·01				·05			20
21		·04	·03	·42					·69	·30	·17			21
22		·25	·04	·34					·08		·05			22
23	·04		·08	·06				·06		·21				23
24	·13	·90	·09	·05					·35	·02		·26		24
25	·09		·03			·02					·13	·16		25
26	·32			·03	·01	·06	·02	1·22	·29	·15		·30		26
27	·16	·06				·01			·11	·10	·03	·10		27
28	·01	·08							·07	·18	·23			28
29			·21		·01	·03		·01	·16	·14	·04	·10		29
30		×				·15		·18	·23	·81	·40	·01		30
31		×		×		×			×	·19	×	·27		31
TOTAL	2·46	2·92	1·43	3·81	1·25	3·58	·79	2·42	4·31	4·79	3·99	2·23	Year's Total 33·98	
*Days with ·01 in. or more.	15	20	15	22	9	24	9	9	20	23	24	20	210	
*Days with ·04 in. or more.	12	16	10	17	4	19	6	8	15	17	18	14	156	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) ....

M

[P.T.O.

[illegible] 30
6[illegible] file

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations. Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Font Res. Tynemouth W.W.
in the County of Northumberland
Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·30	·22	62			·30	·06	·45	·33	—	·03	—		1
2	07		·17			·02	·10	·04	·11	·01	·01	·06		2
3	·02					·75	·33	·02	·35	—	·01	·05		3
4	·50		·04		·02	·03		·26	·23	·03	·10	·08		4
5	20				·04			·01	·01	·02	·09	—		5
6	·17			·03	·04		·04	·44	·43	—	·14	—		6
7	·06		·20		·01		·27		·08	—	·18	·03		7
8	·27		·08						·07	·04	·06	—		8
9	·87		·62			·04	·07	·08	·11	·07	·37	—		9
10	·18			·11					·02	—	·02	—		10
11				·19		·04	·11	·13	·07	·02	1·33	·09		11
12	03			·27	02	·09	·15	·70	·75	—	·35	·04		12
13	·02			·39			·14		—	·14	·04	·45		13
14				·25		·26	·04	·02	·23	—	·03	·35		14
15				·37	·15	·10	·35	·03	·04	—	·28	·05		15
16	·07		·01	06			·01		—	·02	·35	·02		16
17	·16	·25		·02	·08		·48	·02	—	·06	·91	·20		17
18		·14		·02			·07	·03	·03	·20	·01	·05		18
19	65	·23	·02			·01	·15	·01	—	·01	·01	·10		19
20	1·05	·12	·04	·02			·05	·01	—	—	-	·06		20
21	·02	·02	·04	·01			·22		—	—	-	·03		21
22	·06	·29	·03		·07	·09	·03		—	—	-	—		22
23		·02	·03	14	·09		·48		—	·06	-	·01		23
24	·03	·59	·02	·01	·85		·01		1·00	·48	-	—		24
25	·30		·08		·01		·07		·32	·04	-	—		25
26		·14	·31				·01		·14	·39	-	·02		26
27	·08		16		01				·23	·04	-	—		27
28	16	·81	·02						—	—	·03	—		28
29	·70	95	·21		·22	·86	·13		—	·20	-	·02		29
30	·03	×	·06				·17		·07	·09	-	·01		30
31	·02	×	17	×	·09	×			×	—	×	·07		31
TOTAL	6·02	3·78	2·93	1·89	1·63 ~~·85~~	2·59	3·54	2·25	4·44	1·89	4·38	1·89	Year's Total. 37·23	✓
* Days with .01 in. or more.	25	12	20	14	14	12	24	15	20	18	20	20	214	✓
* Days with .04 in. or more.	18	10	14	8	8	9	20	7	14	12	12	13	145	✓

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) W. McKay

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Font Res., Tynemouth W.W.

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

corr: for B.A. February

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	·02	·17	–	–	·11	·01	–	·34	·15	·01	·08		1
2	·02	·24	–	·15	–	·12	–	–	·01	·02	–	·31		2
3	·01	·23	·05	·08	·21	·15	·45	–	·05	·01	–	·15		3
4	·18	–	·12	·05	·05	·04	·11	·90	–	–	–	·19		4
5	·07	·01	·17	·03	·22	·05	·13	–	·49	–	–	·50		5
6	·02	·07	·05	·14	·05	–	·01	–	·11	·01	·17	·02		6
7	–	·16	·16	·25	·03	·04	–	–	·05	·06	·13	·48		7
8	–	·36	–	·08	–	–	·15	–	–	–	·07	·49		8
9	–	·03	·05	·14	–	·01	·24	·06	–	–	·08	·23		9
10	–	·04	·22	·01	·18	–	·23	–	–	–	·32	·20		10
11	–	–	·14	·03	–	·06	–	–	–	·01	–	·61		11
12	·23	·24	·16	·06	·02	–	–	·02	·08	·01	–	·10		12
13	–	·10	·05	·16	·05	–	–	·10	·04	–	–	·61		13
14	–	·02	–	·02	–	·19	–	·54	·07	·02	–	·40		14
15	·08	·61	–	·29	–	–	·44	–	·04	–	–	·15		15
16	·07	·15	·21	·26	–	·05	–	·13	·11	–	·03	·60		16
17	·09	·02	·32	·04	·02	·02	–	·02	1·18	–	–	–		17
18	–	·04	·03	·07	–	·13	–	·14	·01	–	·09	–		18
19	–	·09	·01	·09	–	·04	–	·02	·07	–	·51	–		19
20	·05	–	·10	·24	1·14	·17	·03	–	·07	·01	–	–		20
21	·05	–	–	·09	·33	·01	·33	–	–	·07	–	·32		21
22	·11	–	·30	–	·10	·31	·02	–	–	·08	·07	·05		22
23	·14	–	·04	–	·02	·12	·01	–	–	·93	·08	–		23
24	·16	·03	–	–	·09	–	·25	–	·10	·20	–	·05		24
25	·12	·27	–	–	·11	–	–	·22	–	·17	–	–		25
26	·05	·19	·04	–	·54	–	–	–	·02	–	·03	–		26
27	·03	·27	·01	·09	–	–	·04	–	·01	·52	·01	·02		27
28	·27	–	–	–	–	·03	–	–	–	·12	–	·07		28
29	·35	–	–	–	–	·05	–	·30	–	·11	–	–		29
30	·30	✕	–	–	–	·04	–	·69	·07	·02	·02	·06		30
31	·50	✕	·	✕	–	✕	–	·39	✕	·46	✕	–		31
TOTAL	2·92	~~2·92~~ 3·19	2·40	2·37	3·06	1·74	2·45	3·53	2·92	2·98	1·62	5·69	Year's Total 34.97	
* Days with .01 in. or more.	22	21	20	21	16	20	15	13	19	19	14	22	222	
* Days with .04 in. or more.	17	15	17	17	12	16	10	10	15	11	9	20	169	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Fort Res. Tynemouth W.W.
in the County of Northumberland
Diameter of Funnel of Gauge 10 in.
Height of top of Gauge above Ground 1 ft. 2 in.
,, Ground ,, Sea Level 620 ft.

Jan total corrected for arithmetic

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·08				1·25	·20	—	·01	—	·15	·24		1
2	·05	·01				·32	·15	—	·10	·62	·11	·11		2
3	·06	·03		·08		·02	·03	—	·15	·85	·10	—		3
4	·07	—		·05		·02	·05	—	—	·16	·01	·37		4
5	—	·03					·61	·25	·11	·11	·01	·04		5
6	·29	·01				·07	·10	·05	·16	·25	·03	·02		6
7	·05	—					·48	·03	·06	·03	·15	—		7
8	·05	—					·14	·03	—	·53	·65	·23		8
9	·35	·02			·08	·05	·03	·01	—	·08	—	·34		9
10	—	—				·07	—	—	·01	·06	—	·05		10
11	·09	—			·02	·03	·06	—	—	·09	·07	·07		11
12	·16	·06			·16		·01	·28	—	·26	·37	·02		12
13	·07	·23			·25		·04	·01	·15	·03	·20	·18		13
14	·17	·03			·15		—	—	—	—	·01	·07		14
15	·14	·05	·23		·05		·06	·24	—	·05	·01	·30		15
16	·40	·08	·01		·09		·03	·11	·13	·13	—	·17		16
17	—	—	·04		·39		·01	·17	·09	·57	·01	—		17
18	·08	·04	·07		·04	·55	—	·05	·26	·09	·34	—		18
19	·01	·02	·26		·07	·04	—	·24	·04	—	·04	·32		19
20	·02	—	·38		·05	·11	—	·03	·11	—	·01	·35		20
21	—	—	·01		·04	·01	—	·19	·01	—	·07	·28		21
22	—	·07	·01		·01		—	·01	—	—	·23	·34		22
23	—	—	—		·12	·18	—	—	·01	—	·37	·17		23
24	·05	—	·03	·03		·03	—	·69	·09	·33	·05	·15		24
25	—	—		·01	·22		·74	·13	—	·27	·15	·10		25
26	—	·26	·04	·01	·15	·06	·02	—	·01	·12	—	—		26
27	·10	·05		·01	·31	·19	·28	·09	·05	·09	·11	—		27
28	·12	·01	·01	·02	·51	·46	·01	—	·30	·03	·05	·08		28
29	·02	X		·04	·18	·01	·11	·27	—	·01	·19	—		29
30	·13	X					·02	·26	·30	—	·08	—		30
31	·26	X		X	·40	X	—	·25	X	·10	X	·34		31
TOTAL	2·~~69~~ ·73	1·08	1·09	·25	3·29	3·47	3·18	3·37	2·15	4·86	3·57	4·34	Year's Total 33·38	
* Days with .01 in. or more.	22	17	11	8	20	18	21	21	20	23	26	23	230	
* Days with .04 in. or more.	19	9	6	3	18	12	13	15	15	19	19	21	169	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) William McKay

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Font Res., Tynemouth W.W.

in the County of Northumberland

Diameter of Funnel of Gauge 10 in.

Height of top of Gauge above Ground 1 ft. 2 in.

,, Ground ,, Sea Level 620 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·77	—	·19	—	·02	—	—	—	·13	·35	·07	·07		1
2	·33	—	—	·10	·01	—	·15	·30	·64	·06	·15	·01		2
3	·05	—	·05	·05	—	—	·09	·22	·02	·01	·05	·15		3
4	·07	—	·29	—	—	—	·06	—	·10	·03	·22	—		4
5	—	—	·05	·02	·20	—	·35	·24	—	·47	·45	·36		5
6	·05	·01	·08	—	—	—	·67	·03	—	·02	·01	—		6
7	·11	·02	·11	—	·13	—	·02	·11	—	·42	·01	·04		7
8	·44	·19	·13	·11	—	—	·09	·28	·01	—	·10	·43		8
9	·02	·10	—	·02	—	—	·31	·23	·03	1·00	·03	·14		9
10	—	·01	·02	—	—	·02	—	·13	·19	·11	·01	—		10
11	·43	·05	·29	—	·04	·10	—	·06	·05	·15	·07	·04		11
12	—	·02	—	—	—	·07	·10	·02	—	·97	·05	·01		12
13	·04	—	·03	—	·25	·03	·04	—	—	·37	·01	—		13
14	·70	—	·02	·13	·12	·30	·28	—	·01	·24	·10	—		14
15	·20	·05	—	—	·05	·44	—	—	—	·08	—	·08		15
16	·22	·08	·13	·01	·19	—	—	—	—	—	·02	—		16
17	·68	·02	—	·05	·08	—	—	—	—	—	·03	—		17
18	·88	·05	·12	—	—	·04	·04	—	—	·13	·50	—		18
19	·18	—	—	—	·02	·25	—	—	—	—	·01	·05		19
20	·01	—	—	—	·02	·06	·02	·07	—	—	—	—		20
21	·06	·05	·05	·15	·01	·01	—	·06	·02	·01	—	—		21
22	·20	·20	·05	·03	—	·16	·04	—	—	·04	·08	·01		22
23	·10	·12	·22	·12	—	·08	—	—	—	—	·01	·01		23
24	—	·10	·22	·53	·01	—	—	·02	·01	—	·03	—		24
25	·35	·04	·13	·06	—	—	—	·07	—	·02	·26	·09		25
26	·09	—	·08	·02	—	—	—	·07	·07	·83	·07	—		26
27	·06	·20	1·29	·03	—	·25	·09	·95	·03	·25	·01	—		27
28	·05	·05	·65	·08	—	·08	·15	·05	—	·02	·25	·06		28
29	·02		·04	—	—	—	·45	—	—	·55	·11	·03		29
30	·03	✕	—	·04	—	·18	·05	·21	·05	·12	·46	—		30
31	—	✕	·03	✕	—	✕	·18	—	✕	·06	✕	—		31
TOTAL	6·14	1·36	4·27	1·55	1·15	2·07	2·18	2·52	1·36	6·31	3·17	1·58	Year's Total 33.66	✓
* Days with .01 in. or more.	26	18	23	17	14	15	19	18	14	24	27	16	231	✓
* Days with .04 in. or more.	22	13	19	11	8	1X2	17	15	7	18	16	11	169	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3588

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

March, Total corrected for arithmetic

BRITISH RAINFALL ORGANIZATION.

273787/33

Kept at Font Res (Tynemouth W.W.)

in the County of Northumberland

Diameter of Funnel of Gauge 10 in.

Height of top of Gauge above Ground 1 ft. 2 in.

" Ground " Sea Level 620 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·04	–	·02	–	–	·02	–	–	–	·02	–		1
2	·08	–	–	·06	–	–	·04	–	–	–	·70	·08		2
3	–	·24	–	·09	–	–	·06	–	–	–	–	–		3
4	–	·15	–	·10	–	–	·18	·02	–	·17	·03	·14		4
5	–	·04	–	–	·11	–	–	·01	–	·15	·16	·26		5
6	·09	·05	–	–	–	–	·10	–	–	·08	·23	·45		6
7	13	·18	–	·11	·10	–	·02	·08	05	–	–	–		7
8	·01	–	·06	–	–	–	–	·21	·04	·17	·17	·08		8
9	–	–	·42	–	–	–	·47	·02	–	·27	·31	–		9
10	–	·03	–	–	–	–	·88	–	·04	–	·21	–		10
11	–	·05	74 ✓	–	–	–	·35	–	·03	–	·57	–		11
12	–	·04	·70	–	–	·02	–	–	·05	–	01	–		12
13	–	–	·09	–	–	–	·51	–	·07	–	·09	·13		13
14	–	–	·02	05	–	–	·94	–	·03	·02	–	·18		14
15	·03	–	–	–	·02	·02	–	–	–	–	·26	·01		15
16	·05	–	–	–	–	–	·50	–	1·30	·42	·01	·04		16
17	·02	–	·12	–	–	–	1·29	–	·20	·10	·67	·02		17
18	–	–	·30	·02	–	–	·10	·02	·07	–	·07	·10		18
19	–	·04	·06	·06	–	–	·04	·05	·33	·01	·23	·07		19
20	–	·08	·02	·09	·02	–	·04	20	·01	·01	·05	–		20
21	–	–	·10	·12	–	·32	–	–	–	·27	–	–		21
22	·09	–	·03	–	·03	·05	·11	·04	·28	·60	–	–		22
23	–	–	·08	·24	·03	·01	·12	–	–	·13	·10	·04		23
24	–	·05	–	·04	·45	–	06	–	–	·08	–	·10		24
25	·10	–	–	–	·08	–	·07	–	–	·02	–	–		25
26	·08	·10	–	–	·10	·02	·30	·11	·02	–	–	–		26
·69 27	·06	·25	–	·07	–	·04	·12	–	–	·72	–	–		27
28	·10	·10	–	·02	–	–	·01	·10	–	–	–	·02		28
29	·09	–	·34	·02	–	·05	·02	–	–	·03	–	·17		29
30	·11	✕	–	–	–	–	–	–	–	·20	–	·62		30
31	·15	✕	34	✕	–	✕	–	–	✕	·10	✕	·21		31
TOTAL	1·19	1·44	3·~~0~~42	1·11	·94	·56	6·35	·86	2·52	2·95	3·89	2·72	Year's Total 27·95	
* Days with .01 in. or more.	15	16	15	15	9	8	24	11	14	19	18	18	181	
* Days with .04 in. or more.	12	14	12	11	5	4	20	7	10	14	14	15	138	

† Spare column, no entries required.

* See Instruction 3 (f) on other side. X Wm McKerrow X

(*Signed*) Wm McKay

[P.T.O.

(3588/5)

Section **A** for the entry of … ation No. 3588/5

AIR MINISTRY … ORGANIZATION.

FORM 1090. **REGIST** … ~~S1622~~ × / North/5

Kept at Brunkburn … acklisted 16/3/33

in the County of Northu…

Diameter of Funnel of Gauge…

Height of top of Gauge above Groun…

,, Ground ,, Sea L…

THE MORNING MEASU…

An observer who does not conform to … *llowing*

year in the space on the right of th…

Jan. 1, following

3588/5

BRUNK BURN

1934, 35

780702

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1										·10			1
2								·40					2
3					·9							·34	3
4					·30					·10		·19	4
5					·40				·24	·22	·26	1·20	5
6					·7						·40		6
7					·10			1·22	·7		1·10		7
8			·5		·20								8
9			·7									20	9
10			·67								40	19	10
11			·82		25			1·50			1·01		11
12				1·30									12
13				1·20	·26	45		1·07				·12	13
14				·10			64	·7					14
15			·40	·20						·4		19	15
16			1·52	·10						·22		10	16
17			·11		·60		24			·19			17
18				·3	·40							·32	18
19				·11							·19		19
20				·19							·4		20
21						30		·24				11	21
22				·40		54	60	·24					22
23													23
24				·11	·50	60	14		20			22	24
25										·64		10	25
26				·10						·23		1·31	26
27				·54	·20					·28		·6	27
28				·40					35	·2			28
29								20		·18			29
30		×			·10			1·01	41				~~30~~
31		×		×		×	14		×	·200	×		~~31~~
TOTAL			~~3·64~~	~~4·78~~	~~3·47~~	~~1·89~~	~~1·46~~	~~5·95~~	~~1·24~~	~~4·22~~	~~4·40~~	~~[illegible]~~	YEAR'S TOTAL
*Days with ·01 in. or more.													
*Days with ·04 in. or more.				~~3·50~~	~~5·55~~	~~1·30~~	~~·80~~	~~3·35~~	~~1·50~~	~~2·20~~	~~4·40~~	~~[illegible]~~	

40-9999

*See Instruction 2 (*f*) on other side.

N

(*Signed*) Lancelot Fenwick

× Capt. L. Fenwick ×

P.T.O.

Section **A** for the entry of ~~Daily Observations.~~ tation No. (3588/5)

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

~~5160~~ X/North/5

Kept at Brunkhum

in the County of Northumberland

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground..........ft..........in.

,, Ground ,, Sea Level ....ft.

1929-30 Long-up
1931 retained in file
1932-1933 } N.R.

Blacklisted 16/3/33

Examine daily + monthly values. If poor consider black list action + do not send forms

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

Jan. 1, following

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in. ✓	in.	in.	in. ✓	in.	in. ✓	in. ✓	
1										·10			1
2								·40					2
3					·9							·34	3
4					·30					·10		·19	4
5					·40				·24	·22	·26	1·20	5
6					·7						·40		6
7					·10			1·22	·7		·110		7
8			·5		·20								8
9			·7									20	9
10			·67								40	19	10
11			·82		·25			1·50			1·01		11
12				·130									12
13				·120	·26	·45		1·07				·12	13
14				·10			·64	·7					14
15			·40	·20						·4		19	15
16			1·52	·10						·22		10	16
17			·11		·60		·24			·19			17
18				·3	·40							·32	18
19				·11							·19		19
20				·19							·4		20
21						30		·24				·11	21
22				·40		54	·60	·24					22
23													23
24				·11	·50	60	·14		20			·22	24
25										·64		·10	25
26				·10						·23		1·31	26
27				·54	·20					·28		·16	27
28				·40					35	·2			28
29								20		·15			29
30		×			·10			1·01	41				~~30~~
31		×		×		×	14		×	·200	×		~~31~~ YEAR'S TOTAL
TOTAL			~~3·64~~	~~4·78~~	~~3·47~~	~~1·59~~	~~1·76~~	~~5·75~~	~~1·27~~	~~6·22~~	~~4·40~~	~~[illegible]~~	
*Days with ·01 in. or more.													
*Days with .04 in. or more.				~~3·50~~	~~5·55~~	~~1·30~~	~~·80~~	~~3·33~~	~~1·50~~	~~3·20~~	~~4·40~~	~~[illegible]~~	

40-9999

*See Instruction 2 (*f*) on other side.

N

(Signed) Lancelot Fenwick

x Capt. L. Fenwick x

P.T.O.

I-8168391/35 [illegible]

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3588/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Brinkburn

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

1929-30 Now up.
1931 returned in file
1932 / 1933 } N.P.
1934 comps & rejected
Ex 1935 retain & consider black listing
} Black listed 16/3/33

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Daily values unreliable

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	~~June~~	~~July~~	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in	in.	
1	4									19·		47	1
2	10		64								·15		2
3									37	90·			3
4					·22				6		·20		4
5	14			·5	·33						·11		5
6		10	·4	·4					17	9·			6
7	24		·10	·27									7
8		4								28	·35	·15	8
9				26									9
10				35						21·	·35		10
11		4						24·			5		11
12	4												12
13													13
14											17		14
15				·15									15
16		·10	·10	17					·30	·17	5	10	16
17		7	·11	42				50·	·60				17
18				32							144·		18
19								130·		·11			19
20	14	22		·42									20
21		10											21
22				·70						·91			22
23				·37									23
24	4		60					·8	6	·17		7	24
25		60							47·			42	25
26		6						111		·19		11	26
27									42·			·7	27
28		11·		·75								·15	28
29					·30				30·	·20		8	29
30		×	27						11·		6		30
31		×	4	×		×		28	×	·58	×	7	31
TOTAL	2·50	2·11	1·30	3·80	2·00		70	2·78	3·80	3·80	5·00	2·40	YEAR'S TOTAL 30·69
*Days with ·01 in. or more.													
*Days with .04 in. or more.													

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Capt. L. Fenwick [P.T.O.

Section **A** for the entry of Daily

AIR MINISTRY.

Rothbury

FORM 1090.

REGIS

Kept at Brunkburn

in the County of Northum

Diameter of Funnel of Gauge..........

Height of top of Gauge above Ground

„ Ground „ Sea Lev

THE MORNING MEAS

An observer who does not conform to
year in the space on the right of this

Records

FOR OFFICIAL USE.

NIZATION (3588/6)

2 3!

N'land 7:5

s from old gauge

DAY.

following

Jan. 1, following.

3588/6

BRUNKBURN PRIORY

1931

780702

Date.	Jan.	Feb.	March								Nov.	Dec.	Date.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	(27·04)
1	(2·37) New	(1·22) Gauge	(1·62) →	2·26	2·31	2·40	3·02	2·75	2·00	1·01	4·41	·97	1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30		✕											30
31		✕		✕		✕			✕		✕		31
TOTAL													YEAR'S TOTAL 50
Days with ·01 in. or more.													
Days with ·04 in. or more.													

Please read the Notes and Instructions Overleaf.

N (Signed) Capt L. Fenwick

[P.T.O.

(144ws)

Section **A** for the entry of Daily

FOR OFFICIAL USE. 3588/6

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

Rothbury

REGISTER OF RAINFALL IN 192 36.

N'land 5/5

Kept at Brinkburn Priory (new gauge.)

in the County of Northumberland

Diameter of Funnel of Gauge..........in.

Height of top of Gauge above Ground..........ft..........in.

„ Ground „ Sea Level..........ft.

Jan - Mar readings from old gauge

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Records taken in Millimetres should be entered on Form 1091.

Date.	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	(2.37) Old	(1.22) Gauge	(1.62) →	2·46	2·31	2·40	3·02	2·75	2·00	1·01	1·41	·97	(27·04) 1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12													12
13													13
14													14
15													15
16													16
17													17
18													18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30		×											30
31		×		×		×			×		×		31
TOTAL													YEAR'S TOTAL
Days with ·01 in. or more.													
Days with ·04 in. or more.													

Please read the Notes and Instructions Overleaf.

N (Signed) Capt L. Fenwick

(144ws) [P.T.O.

3589

Section **A** for the entry of … OPY FOR OFFICIAL USE.
AIR MINISTR … ORGANIZATION.
FORM 1090. **REGIS** … .

—
3589
LONG FRAMLINGTON, EMBLETON HALL
1931 —— 33
7P0702

Kept at Embleton Hall
in the County of North
Diameter of Funnel of Gauge
Height of top of Gauge above Grour
,, Ground ,, Sea I

THE MORNING MEASU

An observer who does not conform to … *llowing*
year in the space on the right of th

Jan. 1, following

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.								in.	in.	
1													1
2													2
3					·06								3
4	·11										·81		4
5				·72			·20			·06			5
6									2·12			·83	6
7						3·16							7
8		·39	·28								·38		8
9								·73					9
10					·47								10
11	·11									·11			11
12				trace			1·30						12
13									·28			·07	13
14						·60							14
15		·35	·38			·74					·49		15
16													16
17		·45			·22			·77					17
18	·25							·80		·10			18
19				·87			1·13						19
20									·20			·11	20
21						·25							21
22		·15	trace								·69		22
23								1·79					23
24					·32						1·19		24
25	·79									·56			25
26				1·59	Remainder counted up on June 7th		·40						26
27									·08			·03	27
28						·22							28
29		·15	·13								·91		29
30		×		·49		trace		·05	·05		·11		30
31	1·63	×	trace	×		×	·48	0	×	·44	×	·39	31
TOTAL	2·89	1·49	·79	3·67	1·07	4·97	3·51	4·14	2·73	1·27	4·58	1·43	YEAR'S TOTAL 32·54
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) J. C. Fenwick. [P.T.O.

3589

Section **A** for the entry o … OPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Embleton Hall Long Framlington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft 9 in.

,, Ground ,, Sea Level 430 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3					·06								3
4	·11										·81		4
5				·72			·20			·06			5
6									2·12			·83	6
7						3·16							7
8		·39	·28								·38		8
9								·73					9
10					·47								10
11	·11									·11			11
12				trace			1·30						12
13									·28			·07	13
14						·60							14
15		·35	·38			·74					·49		15
16													16
17		·45			·22			·77					17
18	·25							·80		·10			18
19				·87			1·13						19
20									·20			·11	20
21						·25							21
22		·15	trace								·69		22
23								1·79					23
24					·32						1·19		24
25	·79									·56			25
26				1·59	Remainder Counted up on June 7th		·40						26
27									·08			·03	27
28						·22							28
29		·15	·13								·91		29
30		×		·49		trace		·05	·05		·11		30
31	1·63	×	trace	×		×	·48	0	×	·44	×	·39	31
TOTAL	2·89	1·49	·79	3·67	1·07	4·97	3·51	4·14	2·73	1·27	4·58	1·43	YEAR'S TOTAL 32·54
*Days with ·01 in. or more.													
*Days with ·04 in. or more.													

40-9999

(Signed) J. C. Fenwick.

[P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.** **Station No** 3589.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Embleton Hall. Long Framlington
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground ft 9 in.
,, Ground ,, Sea Level 430 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2													2
3	·09			·22			·07						3
4									·65			·30	4
5						·06							5
6			·03								·06		6
7		·03						·36					7
8					·53								8
9										1·20			9
10	·52			·66			·37						10
11									·62			·41	11
12						Trace							12
13			·46								·17		13
14		·69						·08					14
15					·78								15
16										·62			16
17	1·12			·59			·06						17
18									·11	·56		·74	18
19						·05							19
20			·25								·20		20
21		·03						·50					21
22					70								22
23										1·17			23
24	·05			·44			·36						24
25									·28			·14	25
26						Damp							26
27			1·12								·21		27
28		·24	·80		·77	·65		·55					28
29													29
30		×		·42		·23			2·47	·99	·19		30
31	·02	×	·36	×	Trace	×	1·21	·50	×	·21	×	·21	31 5
													YEAR'S TOTAL
TOTAL	1·80	·99	3·02	2·33	2·78	·99	2·07	1·99	4·13	4·75	·89	1·80	27·34
*Days with ·01 in. or more.													
*Days with .04 in. or more.													

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) J. C. Fenwick

P.T.O.

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations.

Station No. 3589

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Embleton Hall. Long Framlington

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft 9 in.

,, Ground ,, Sea Level 430 ft.

Dry

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1													1
2				~~·00~~			·00						2
3				trace					00		1·50	·13	3
4						·09							4
5		07									·34		5
6								dry					6
7					·09								7
8	60									·78			8
9				·06			·00						9
10									·02			·48	10
11						·33							11
12		·59	1·79								·21		12
13								·18					13
14					50								14
15	25									·44			15
16				·10			·68						16
17									·03			·46	17
18						·38							18
19		·42	·31								1·20		19
20								·40	·30				20
21					·30								21
22	45									·22			22
23				·23			·39			·80			23
24									·72			·04	24
25						·65							25
26		1·15	02								·49		26
27								·24					27
28	08				·30								28
29		1·23						1·16		2·39			29
30		×		1·35		Dry.	·57		·75		·40		30
31	26	×	Trace	×	Dry.	×	·13	·03	×	·26	×	·25	31
TOTAL	1·64	3·46	2·12	1·74	1·19	1·45	1·77	2·01	1·82	4·89	4·14	1·36	YEAR'S TOTAL 27·[illegible]9
*Days with ·01 in. or more.													
*Days with .04 in. or more.													

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) J. C. Fenwick

[P.T.O.

3590

Section **A** for the entry of Dail

AIR MINISTRY.—M

FALL ORGANIZATION.

COPY FOR OFFICIAL USE.

FORM 1090.

REGISTE

31 .

3590

BROOMHILL COLL.

1931- 40

78 04 02

Kept at Broomhill Collier

in the County of Northumberl

Diameter of Funnel of Gauge 5"

Height of top of Gauge above Ground

" Ground " Sea Level

THE MORNING MEASUREM AY.

An observer who does not conform to this r *he following*
year in the space on the right of this par

Pleas

Jan. 1, following

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.00	0.00	0.13	0.00	0.00	0.04	0.00	0.00	0.45	0.00	0.00	0.00	1
2	0.00	0.08	0.00	0.00	0.00	0.60	0.05	0.00	0.2I	0.05	0.4I	0.I5	2
3	0.00	0.00	0.00	0.30	0.00	0.07	0.I3	0.00	0.04	0.00	0.00	0.00	3
4	0.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.03	0.00	4
5	0.00	0.00	0.00	0.00	0.II	0.05	0.I4	0.I8	0.00	0.00	0.00	0.38	5
6	0.00	0.2I	0.00	0.00	0.00	I.02	0.00	0.I7	0.00	0.I2	0.00	0.00	6
7	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.07	0.00	0.00	0.00	0.00	7
8	0.04	0.00	0.I8	0.00	0.0I	0.I6	0.83	0.00	0.00	0.00	0.27	0.00	8
9	0.00	0.08	0.00	0.00	0.00	0.03	0.06	0.32	0.00	0.00	0.32	0.00	9
10	0.00	0.00	0.I0	0.03	0.28	0.06	0.I5	0.00	0.00	0.00	0.00	0.00	10
11	0.02	0.I7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	11
12	0.I6	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	12
13	0.I7	0.00	0.05	0.00	0.I2	0.00	0.04	0.00	0.00	0.00	0.00	0.00	13
14	0.I0	0.00	0.00	0.00	0.00	0.65	0.00	0.I5	0.I2	0.00	0.00	0.00	14
15	0.00	0.06	0.00	0.I6	0.00	0.08	0.00	0.35	0.00	0.00	0.33	0.00	15
16	0.0I	0.22	0.00	0.03	0.00	0.00	0.29	0.00	0.09	0.00	0.00	0.I4	16
17	0.00	0.05	0.00	0.29	0.00	0.II	0.33	0.35	0.00	0.00	0.I0	0.00	17
18	0.34	0.00	0.00	0.06	0.00	0.II	0.00	0.00	0.07	0.08	0.66	0.00	18
19	0.04	0.00	0.00	0.36	0.00	0.00	0.42	0.72	0.00	0.00	0.00	0.00	19
20	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.07	0.08	0.00	0.00	21
22	0.34	0.00	0.00	0.32	0.II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22
23	0.06	0.02	0.00	0.I6	0.00	0.I5	0.00	0.00	0.09	0.I4	I.I0	0.I8	23
24	0.00	0.05	0.00	0.2I	0.68	0.00	0.04	0.00	0.0I	0.I6	0.00	0.00	24
25	0.03	0.00	0.00	0.00	0.00	0.00	0.I5	0.00	0.00	0.00	0.00	0.00	25
26	0.00	0.00	0.00	0.67	0.36	0.00	0.00	0.00	0.00	0.00	0.60	0.00	26
27	0.I0	0.00	0.04	0.I7	0.54	0.00	0.00	0.00	0.00	0.04	0.22	0.00	27
28	0.24	0.00	0.00	0.I7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
29	0.70		0.06	0.00	0.00	0.00	0.32	0.00	0.00	0.30	0.06	0.34	29
30	0.00	X	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	30
31	0.4I	X	0.00	X	0.56	X	0.05	0.00	X	0.00	X	0.00	31
TOTAL	3.04	I.0I	0.56	2.93	2.82	3.I3	3.34	2.42	I.95	I.00	4.I2	I.I9	YEAR'S TOTAL 27.5I
*Days with ·01 in. or more.	I6	II	6	I3	I0	I3	I6	I0	II	9	I2	5	~~I39~~
*Days with ·04 in. or more.	I3	9	6	II	9	II	I6	9	9	8	I0	5	~~II6~~

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*)

[P.T.O.

3590

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Broomhill Colliery.

in the County of Northumberland.

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground I ft - in.

,, Ground ,, Sea Level 92.I4 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.00	0.00	0.I3	0.00	0.00	0.04	0.00	0.00	0.45	0.00	0.00	0.00	1
2	0.00	0.08	0.00	0.00	0.00	0.60	0.05	0.00	0.2I	0.05	0.4I	0.I5	2
3	0.00	0.00	0.00	0.30	0.00	0.07	0.I3	0.00	0.04	0.00	0.00	0.00	3
4	0.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.03	0.00	4
5	0.00	0.00	0.00	0.00	0.II	0.05	0.I4	0.I8	0.00	0.00	0.00	0.38	5
6	0.00	0.2I	0.00	0.00	0.00	I.02	0.00	0.I7	0.00	0.I2	0.00	0.00	6
7	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.07	0.00	0.00	0.00	0.00	7
8	0.04	0.00	0.I8	0.00	0.0I	0.I6	0.83	0.00	0.00	0.00	0.27	0.00	8
9	0.00	0.08	0.00	0.00	0.00	0.03	0.06	0.32	0.00	0.00	0.32	0.00	9
10	0.00	0.00	0.I0	0.03	0.28	0.06	0.I5	0.00	0.00	0.00	0.00	0.00	10
11	0.02	0.I7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.00	11
12	0.I6	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	12
13	0.I7	0.00	0.05	0.00	0.I2	0.00	0.04	0.00	0.00	0.00	0.00	0.00	13
14	0.I0	0.00	0.00	0.00	0.00	0.65	0.00	0.I5	0.I2	0.00	0.00	0.00	14
15	0.00	0.06	0.00	0.I6	0.00	0.08	0.00	0.35	0.00	0.00	0.33	0.00	15
16	0.0I	0.22	0.00	0.03	0.00	0.00	0.29	0.00	0.09	0.00	0.00	0.I4	16
17	0.00	0.05	0.00	0.29	0.00	0.II	0.33	0.35	0.00	0.00	0.I0	0.00	17
18	0.34	0.00	0.00	0.06	0.00	0.II	0.00	0.00	0.07m	0.08	0.66	0.00	18
19	0.04	0.00	0.00	0.36	0.00	0.00	0.42	0.72	0.00	0.00	0.00	0.00	19
20	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	20
21	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.07	0.08	0.00	0.00	21
22	0.34	0.00	0.00	0.32	0.II	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22
23	0.06	0.02	0.00	0.I6	0.00	0.I5	0.00	0.00	0.09	0.I4	I.I0	0.I8	23
24	0.00	0.05	0.00	0.2I	0.68	0.00	0.04	0.00	0.0I	0.I6	0.00	0.00	24
25	0.03	0.00	0.00	0.00	0.00	0.00	0.I5	0.00	0.00	0.00	0.00	0.00	25
26	0.00	0.00	0.00	0.67	0.36	0.00	0.00	0.00	0.00	0.00	0.60	0.00	26
27	0.I0	0.00	0.04	0.I7	0.54	0.00	0.00	0.00	0.00	0.04	0.22	0.00	27
28	0.24	0.00	0.00	0.I7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
29	0.70		0.06	0.00	0.00	0.00	0.32	0.00	0.00	0.30	0.06	0.34	29
30	0.00	×	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	30
31	0.4I	×	0.00	×	0.56	×	0.05	0.00	×	0.00	×	0.00	31
TOTAL	3.04	I.0I	0.56	2.93	2.82	3.I3	3.34	2.42	I.95	I.00	4.I2	I.I9	YEAR'S TOTAL 27.5I
*Days with ·01 in. or more.	I6	II	6	I3	I0	I3	I6	I0	II	9	I2	5	~~[illegible]~~
*Days with ·04 in. or more.	I3	9	6	II	9	II	I6	9	9	8	I0	5	~~116~~

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*)

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Broomhill Colliery
in the County of Northumberland.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 4 in.
,, Ground ,, Sea Level 92.14 ft.

Days plotted instead of year. Value O.K.

dofp

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
2	0.00	0.00	0.00	0.18	0.30	0.00	0.00	0.00	0.43	0.54	0.00	0.23	2
3	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.13	0.09	0.00	0.00	3
4	0.00	0.00	0.00	0.00	0.09	0.00	0.37	0.00	0.14	0.00	0.00	0.00	4
5	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.09	5
6	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.000	0.00	0.05	6
7	0.00	0.00	0.26	0.00	0.05	0.00	0.00	0.00	0.19	0.20	0.00	0.00	7
8	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.24	0.51	0.00	0.00	8
9	0.25	0.08	0.00	0.46	0.05	0.00	0.00	0.00	0.00	0.32	0.00	0.10	9
10	0.00	0.05	0.03	0.00	0.00	0.00	0.12	0.00	0.10	0.00	0.00	0.00	10
11	0.00	0.06	0.00	0.05	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11
12	0.11	0.05	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.15	0.12	0.00	12
13	0.28	0.09	0.00	0.15	0.16	0.00	0.00	0.00	0.13	0.07	0.00	0.25	13
14	0.11	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	14
15	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15
16	0.35	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.11	0.16	0.35	16
17	0.00	0.00	0.00	0.00	0.08	0.00	0.07	0.00	0.00	0.49	0.07	0.00	17
18	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.05	0.00	18
19	0.00	0.00	0.00	0.00	0.08	0.00	0.07	0.00	0.00	0.17	0.00	0.00	19
20	0.00	0.00	0.63	0.00	0.18	0.00	0.00	0.00	0.00	0.11	0.00	0.00	20
21	0.00	0.00	0.28	0.00	0.00	0.00	0.26	1.02	0.00	0.72	0.00	0.00	21
22	0.00	0.00	0.46	0.00	0.76	0.00	0.00	0.00	0.00	0.03	0.00	0.00	22
23	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	23
24	0.00	0.00	0.00	0.00	0.09	0.00	0.34	0.00	0.00	0.00	0.00	0.00	24
25	0.00	0.11	0.00	0.00	0.08	0.00	0.17	0.00	0.07	0.12	0.00	0.00	25
26	0.00	0.00	0.00	0.00	0.17	0.00	0.61	0.00	0.81	0.04	0.00	0.00	26
27	0.00	0.02	0.44	0.22	0.06	0.52	0.00	0.00	0.02	0.31	0.00	0.00	27
28	0.00	0.00	0.00	0.10	0.00	0.23	0.00	0.00	0.00	0.05	0.00	0.00	28
29	0.00	0.00	0.33	0.04	0.47	0.00	0.24	0.64	0.00	0.00	0.19	0.22	29
30	0.00	×	0.04	0.00	0.00	0.31	0.00	0.10	1.39	0.41	0.07	0.00	30
31	0.00	×	0.02	×	0.00	×	0.18	0.00	×	0.00	×	0.10	31
TOTAL	1.25	0.46	2.55	1.52	3.82	1.06	2.47	1.76	3.70	4.47	0.66	1.39	YEAR'S TOTAL 25.11
*Days with ·01 in. or more.	7	7	10	10	21	3	11	3	12	19	6	8	117 ~~25.11~~
*Days with .04 in. or more.	7	6	8	9	20	3	11	3	11	17	6	8	109 ~~24.[illegible]~~

40-9999

*See Instruction 2 (*f*) on other side,

(*Signed*) A. M. Morison

P.T.O.

3590

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. ~~3590~~.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Broomhill Colliery

in the County of Northumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground – ft 16 in.

,, Ground ,, Sea Level 92.I4 ft.

Days ✓

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	–	–	–	–	–	–	–	–	–	.09	.I2		1
2	.2I	–	.33	–	–	–	–	–	–	–	I.06	–		2
3	.02	–	.56	–	–	–	–	–	–	–	.4I	.05		3
4	–	–	–	.06	–	–	–	–	–	–	.0I	–		4
5	–	–	.I4	–	–	–	–	–	–	–	–	–		5
6	–	.22	–	–	–	–	–	.52	–	–	.02	.07		6
7	–	.05	–	.07	.28	–	–	–	–	–	–	–		7
8	–	–	.09	–	.08	.07	–	–	–	I.I2	–	.I5		8
9	–	–	–	–	–	.I8	.I2	–	–	.2I	.04	–		9
10	–	–	–	–	–	.2I	–	–	–	.05	.28	.I5		10
11	–	–	–	–	–	–	–	–	–	–	–	–		11
12	–	–	–	–	–	.36	–	–	–	–	–	.II		12
13	–	–	.II	–	–	–	.30	.I3	–	–	.06	–		13
14	–	–	–	–	–	–	.36	–	–	.I2	.I3	.32		14
15	.62	–	–	–	.I6	.03	–	–	–	–	.I9	–		15
16	–	–	.II	–	.08	–	.22	–	–	–	.I0	–		16
17	.45	.I8	–	.09	–	–	–	–	–	–	.I2	–		17
18	–	.24	.I4	–	–	–	–	–	.04	–	.34	.04		18
19	–	–	–	–	–	–	.I6	–	–	–	.06	–		19
20	–	.06	–	–	–	–	–	.37	–	–	–	–		20
21	–	.08	–	–	–	.55	–	–	.39	–	–	–		21
22	–	.2I	–	–	–	–	–	–	.07	I.I8	–	–		22
23	–	.I6	–	–	.I8	–	–	–	–	.06	–	–		23
24	–	.I4	–	.36	.03	.I5	–	.I6	–	.07	–	–		24
25	–	–	–	.42	.06	–	–	–	.28	.54	–	–		25
26	–	.95	–	.33	–	–	–	–	I.00	.35	.3I	–		26
27	–	–	–	–	–	–	.60	–	–	.35	.2I	.I9		27
28	–	.I0	–	.22	–	–	.06	I.I7	–	.46	.03	.04		28
29	–	–	–	.57	–	–	.83	.06	–	–	–	.06		29
30	.20	×	–	–	–	–	–	–	–	–	–	–		30
31	.06	×	–	×	–	×	.06	–	×	–	×	–		31
TOTAL	I.56	2.39	I.48	2.I2	.87	I.55	2.7I	2.4I	I.78	4.5I	3.46	I.30	Year's Total 26.I4 in	
*Days with ·01 in. or more.	~~6~~	~~II~~	~~7~~	~~8~~	~~7~~	~~7~~	~~9~~	~~6~~	~~5~~	~~II~~	~~I7~~	~~II~~	~~26.I4~~ "	105
*Days with ·04 in. or more.	~~5~~	~~II~~	~~7~~	~~8~~	~~6~~	~~3~~	~~9~~	~~6~~	~~5~~	~~II~~	~~I4~~	~~II~~	~~26.00~~ "	99

"d"

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) a.h.Morison

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Broomhill Colliery.

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground I ft 4 in.

,, Ground ,, Sea Level 92'-I4" ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.27	–	–	–	.06	–	–	.26	–	–	–	–		1
2	–	.03	–	–	–	–	–	–	.I9	–	–	–		2
3	–	–	–	–	–	–	–	–	–	.09	.40	–		3
4	.06	–	–	–	–	–	–	–	–	–		.85		4
5	–	–	–	.08	–	–	–	–	–	–	–	.06		5
6	.05	.05	.I0	.I3	.40	.I3	–	I.07	.03	–	.75	–		6
7		–	–	–	–	.04	–	–	.07	–	–	–		7
8	–	–	.26	–	.03	–	–	–	–	–	–	–		8
9	–	–	–	.69	–	–	–	–	.I6	–	.65	–		9
10	–	–	–	.37	–	–	–	–	–	.I0	.59	–		10
11	.04	–	.97	I.46	–	–	–	–	–	–		–		11
12	–	–	.44	.38	–	–	.I0	.55	–	–	.22	–		12
13	–	–	.04	.06	–	.02	.70	.05	–	–	–	–		13
14	.40	–	.I9	–	.05	–	–	–	–	–	.I3	–		14
15	–	–	.04	–	.I6	–	.I2	–	–	.36	.04	–		15
16	.09	–	.I6	–	.02	–	–	–	–	.04	–	–		16
17	.05	–	–	–	–	–	.75	–	.25	.06	–	.7I		17
18	.53	–	.03	.09	–	.04	.I0	–	–	–	–	–		18
19	–	–	.I6	.46	–	.02	–	–	–	–	.I0	–		19
20	–	–	.I8	–	–	.08	–	–	–	–	–	–		20
21	–	–	–	–	.I3	.75	–	.I7	–	–	–	–		21
22	–	–	–	–	–	.I5	–	–	.3I	–	.02	–		22
23	–	–	.II	.I5	–	–	.05	–	–	–	–	.39		23
24	–	–	–	.03	.03	–	–	–	–	.58	–	–		24
25	.02	–	–	.05	–	–	.03	–	–	.22	–	I.00		25
26	.06	–	–	.76	–	.I0	–	–	.2I	.2I	–	–		26
27	–	.34	–	.I4	–	.04	.03	–	–	–	–	.I5		27
28	–	–	–	–	–	–	–	.20	–	–	–	.27		28
29	–	–	–	.53	–	–	.30	.30	.40	.93	–	–		29
30	.04	X	.07	–	–	–	.I8	–	–	I.20	–	.4I		30
31	.I3	X	–	X	–	X	–	–	X	–	X	–		31
TOTAL	I.74	.42	2.75	5.38	.88	I.37	2.36	2.60	I.62	3.79	2.90	3.84	Year's Total. 29.65.	
* Days with .01 in. or more.	I2	3	I3	I5	8	I0	I0	7	8	I0	9	8	II3.	
* Days with .04 in. or more.	II	2	I2	I4	5	8	8	7	7	I0	8	8	I00.	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) A. M. Munson

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Broomhill.

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground I ft. 4 in.

,, Ground ,, Sea Level 92.I4 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.34	–	.46	.I8	–	–	.I0	–	.62	.0I	–	–		1
2	–	–	–	.I9	.06	.I2	–	–	.0I	.59	–	–		2
3	–	.I3	.I6	.07	–	.25	–	–	.02	–	.29	–		3
4	–	–	–	–	–	.33	–	–	.05	.35	.I4	–		4
5	–	–	–	–	–	–	–	–	.I3	–	–	–		5
6	–	–	–	–	–	.25	–	–	–	.35	–	–		6
7	.30	–	–	.I6	–	.I2	–	–	–	.I8	.30	–		7
8	–	–	–	.26	–	–	–	–	–	–	–	–		8
9	–	–	–	.26	–	–	.02	–	–	.29		–		9
10	–	.2I	–	.06	–	.I2	–	–	–	–	.34)	–		10
11	.06	–	–	–	–	.04	–	.27	–	–	–	–		11
12	–	–	–	–	–	–	–	–	–	–	–	–		12
13	.I0	–	–	–	.29	.09	–	–	–	–	–	–		13
14	–	–	–	.06	–	–	–	–	–	.06	.25	–		14
15	–	.I2	–	.30	–	.06	–	.09	.I5	–	.05	.36		15
16	–	.24	–	.37	.78	–	.06	.29	.26	–	–	.3I		16
17	–	–	.24	.79	.26	.02	.I4	.I5	.05	–	I.28	.09		17
18	.I4	–	–	–	–	.25	.0I	–	–	.20	–	.30		18
19	–	–	–	–	–	.24	.20	–	–	–	–	–		19
20	–	–	–	–	–	.I0	–	–	–	–	–	–		20
21	–	–	.I9	I.I3)	–	–	–	–	.89)	.50	–	–		21
22	–	.50	.03		–	–	–	–		–	–	–		22
23	–	–	–	.03	–	–	–	–	–	.I8	–	–		23
24	–	.34	–	–	–	–	–	–	.37	–	–			24
25	.34	.02	–	–	–	–	–	–	–	–	–	.48)		25
26		–	–	–	–	.I0	–	.89	.35	–	–	.47		26
27	.90)	.I0	–	–	–	.03	–	–	–	.33	.24	.I6		27
28	–	–	.09	–	–	–	–	.02		.2I	–	–		28
29	–	–	.24	–	–	–	–	–	.25)	–	–	.08		29
30	–	×	–	–	–	.I2	–	.I4	.II	.53	.3I	–		30
31	–	×	–	×	–	×	–	–	×	.04	×	.2I		31
TOTAL	2.I8	I.66	I.4I	3.86	I.39	2.24	.53	I.85	3.26	3.82	3.20	2.46	Year's Total. 27.86"	
* Days with .01 in. or more.	7	8	7	I3	4	I6	6	7	I3	I4	9	9	II3	
* Days with .04 in. or more.	7	7	6	I2	4	I4	4	6	II	I3	9	9	I02.	

40-9999

† Spare column, no entries required.

(*Signed*) A. M. Morrison
Agent

* See Instruction 2 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section | **A** | for the entry of Daily Observations
Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at Broomhill Colliery.
in the County of Northumberland.
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground ......ft. I6 in.
,, Ground ,, Sea Level 92.I4 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.42	.32	–	–	–	.49	.07	✓ –	.53	–	.02	–		1
2	.II	–	–	–	–	.03	–	✓ .56)	–	–	–	–		2
3	–	.23	.03	–	–	.5I	.26	✓)	.27	–	–	.I8		3
4	.06	–	–	–	–	.02	–	.34	.06	–	.05	–		4
5	.45	–	–	–	–	.I0	–	–	–	–	–	–		5
6	.09	–	–	.03	–	–	.07	.53	.46	–	.I6	.03		6
7	.06	–	✓)	–	–	–	.24	–	.07	–	–	–		7
8	.22	–	✓ .34)	–	–	–	–	–	–	.I7	–	–		8
9	.55	–	.85	–	–	.I0	.03	.–	–	.I4	.40	–		9
10	.I6	–	–	.04	–	–	.II	–	–	–	–	–		10
11	–	–	–	–	–	.02	–	.I5	–	.07	.48	.20		11
12	–	–	–	✓)	.34	.04	–	.09	.40	–	.I4	–		12
13	–	–	–	✓ .59)	–	–	.68	–	–	.I4	.09	.68		13
14	–	–	–	.II	–	.48	–	.03	.I8	–	–	.75		14
15	–	–	–	.3I	–	.I4	.52	.I8	–	–	.I0	–		15
16	.I4	–	–	–	–	–	–	–	–	–	.28	.0I		16
17	–	.33	–	.04	.32	–	.I4	–	–	–	.90	.08		17
18	–	.08	–	–	–	–	.0I	–	–	.20	.04	.05		18
19	.35	.I5	–	.09	–	–	.08	–	–	.24	–	–		19
20	.25	.08	–	.03	–	–	–	–	–	–	–	–		20
21	.I6	.02	–	.03	–	–	.08	.0I	–	–	–	.04		21
22	.02	.28	–	–	.I0	.0I	–	–	–	–	–	–		22
23	.0I	.03	–	–	–	.I5	.40	–	–	–	–	–		23
24	–	.20	.0I	–	.64	–	–	–	I.00	.I5	–	–		24
25	.28	–	.I5	–	–	–	–	–	.I6	–	–	–		25
26	–	.08	.09	–	–	–	.05	–	–	.I5	–	–		26
27	–	.02	.I0	–	–	–	–	–	.20	–	.05	–		27
28	.2I	.42	–	–	–	–	–	–	–	–	–	–		28
29	.66	.97	.2I	–	.I0	.52	.I0	–	–	.I5	–	–		29
30	–	✕	.24	–	–	–	.39	–	–	.II	–	–		30
31	–	✕	.I4	✕	–	✕	–	–	✕	–	✕	.04		31
TOTAL	4.20	3.2I	2.I6	I.27	I.50	2.6I	3.23	I.89	3.33	I.52	2.7I	2.06	Year's Total 29.69	✓
* Days with .01 in. or more.	I8	I4	11 ~~I0~~	~~9~~ 10	5	I3	I6	~~8~~ 10	I0	I0	I2	I0	~~I35~~	139
* Days with .04 in. or more.	I6	II	9 8	~~6~~ 7	5	9	I4	~~6~~ 8	I0	I0	II	8	~~II4~~	118

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at Broomhill Colliery.

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ... ft. 16 in.

,, Ground ,, Sea Level 92".14" ft.

Ac 81684 0/28

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	.05	.37	-	-	.22	-	-	.12	.07	-	.06		1
2	-	.18	-	.17	-	.16	-	-	-	-	-	.25		2
3	-	.09	-	.13	-	.17	.86	-	-	-	-	.28		3
4	.06	-	.15	-	-	-	-	.24	-	-	-			4
5	-	-	.08	-	.21	-	.07	-	.20	-	-	.80		5
6	-	-	-	.10	.06	-	-	-	-	F	-	.18		6
7	-	.12	.18	.22	-	.20	.50	-	-	.03	.37	.41		7
8	-	.59	.15	-	-	-	.14	-	-	-	.06	.81		8
9	-	-	.	.13	-	-	.40	.13	-	-	.18	.09		9
10	-	-	.27	-	-	.20	.07	-	-	-	.45	.25		10
11	-	-	.87	.04	.16	-	-	-	-	-	.02			11
12	.07	.24	1.25	.08	-	-	-	.11	.13	-	-	1.00		12
13	-	.06	-	.10	.13	.08	-	-	.11	-	.03	1.15		13
14	-	-	.11	-	-	.72	-	1.06	-	-	-	.91		14
15	.13	.49	-	.35	-	-	-	-	.19	-	.02	.16		15
16	-	-	.71	.63	-	.06	-	.04	-	-	.03	.88		16
17	.37	.03	.21	.06	.17	.12	-	.01	.70	-	-	.24		17
18	-	.03	.07	-	-	.15	-	.06	-	-	.06	-		18
19	-	-	.05	.05	-	.15	-	-	-	-	-	-		19
20	-	-	-	.20	1.54	-	-	-	.01	-	-	-		20
21	-	-	-	.12	.54	-	.21	-	-	.18	-	.16		21
22	.11	-	.30	-		.15	-	-	-	-	-	-		22
23		-	.06	-	.13	-	-	-	-		-	-		23
24	.77	-	-	-	.21	-	-	-	.12	1.20	-	-		24
25	.21	.40	-	-	.01	-	-	-	-	.28	-	-		25
26	.15	.20	.71	-	1.17	-	.32	-	-	-	-	-		26
27	.03			-	-	-	-	-	-	.30	-	-		27
28	-	.80	.25	-	-	.02	.05	-	-	.12	-	.10		28
29		-	-	-	-	-	-	.27	-	.08	-	.11		29
30	1.00	✕	-	-	-	.10	-	.38	.06	-	.39	.03		30
31	.45	✕	-	✕	-	✕	-	.35	✕	.40	✕	-		31
TOTAL	3.25	3.38	5.79	2.38	4.33	2.50	2.62	2.65	1.64	2.66	1.61	7.87	Year's Total 40.58	? ✓
* Days with .01 in. or more.	13	14	19	14	12	14	9	10	9	10	10	31	155	✓
* Days with .04 in. or more.	13	12	19	14	11	14	9	9	8	9	6	20	143	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No 3590.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Broomhill Colliery

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground I ft. 4 in.

,, Ground ,, Sea Level 92 . I4 ft.

Days est'd from surr'd stns. 10/3/-

notified 10/3/39

Proposed adoption of ·40 ins for Dec 31 at, W.A.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	.04	–	–	–	I.08	.I6	–	.I4	–	.04	.I5		1
2	.II	–	–	–	–	.65	.23	–	.09	.23	–	.07		2
3	.I5	–	–	.I8	–	.03	– ✗	–	.I8	.57	.08	–		3
4	.20	–	–	–	–	–	✗ .50	.0I	–	.06	.06	.68		4
5	–	–	–	–	–	–	.3I	.05	.06	.I0	–	–		5
6	.I2	–	–	–	–	–	.06	– ✗	.03	.08	–	–		6
7	–	–	–	–	–	–	.55	✗ .I6	.06	✓ –	.04	–		7
8	✗ –	–	–	–	–	–	.08	–	–	✗ .3I	.56	.23		8
9	✗ .89	.07	–	–	.2I	.07	.02	–	–	–	–	.35		9
10	–	.03	–	–	–	.3I	–	–	–	.02	–	✗		10
11	.02	–	–	–	.0I	.02	– ✓	–	–	–	.09	✗		11
12	.20	✗	–	–	.04	–	✓ .05	✗ .26	–	.I5	–	.II		12
13	.05	✗ .25	–	–	.02	–	.07	– ✗	.I4	–	✗	.I6		13
14	.I6	– ✓	–	–	.06	–	–	–	–	–	.25	– ✗		14
15	.II	.07 ✗	–	–	–	–	.06	.20	–	– ✓	–	✗ .5I		15
16	.3I	–	–	–	–	–	✗	–	.24	✗ .07	– ✓	.27		16
17	–	–	–	–	.45	–	.I0	✓ –	.03	.65	–	–		17
18	.02	.06	–	–	.06	.II	–	–	–	.03	✗ .32	✓		18
19	–	–	–	–	.I3	.02	–	✓ .05	.08	–	–	.II		19
20	–	–	.33	–	–	–	–	–	.I4	–	–	– ✗		20
21	–	–	– ✓	–	–	–	–	.29	–	–	– ✓	✗		21
22	–	.02	✗ .I2	.04	–	–	–	–	–	–	– ✗	✗ .27		22
23	–	–	–	–	– ✗	.I8	–	–	–	–	✗ .I5	.09		23
24	–	–	–	–	.08 ✗	–	✓	.88	.25	.33	–	– ✗		24
25	.02	–	–	–	.09	–	.05	.09	–	.30	.I8	.29 ✗		25
26	–	.I9	.03	–	.II	.07	.26	–	–	.I2	–	–		26
27	.07	–	–	.03	.27	.06	.22	.I4	✓ –	.08	–	.04		27
28	.I5	–	–	–	✗	.23	–	–	✗ .I9	–	–	.02		28
29	–	–	–	.03	.88	–	–	.II	–	–	.I3	–		29
30	.I0		–	–	.03	–	–	.06	.29	–	.08	–		30
31	.II		–		.35		–	–		.09		(.40)		31
TOTAL	2.79	.73	.48	.28	2.79	2.83	2.72	2.30	I.92	3.I9	I.98	~~3.35~~ 3.75	Year's Total ~~25.36~~ 25.76	
* Days with .01 in. or more.	I~~7~~ 8	~~8~~ ~~9~~ 10	~~3~~ 4	4	~~I5~~ 17	I2	~~I5~~ 18	I~~2~~5	I~~4~~5	~~I6~~ 8	~~I2~~ 16	~~20~~ 22 ~~I5~~	~~I46~~ 8 (169)	
* Days with .04 in. or more.	I~~4~~5	~~6~~7	2	2	~~I2~~ ~~13~~ 14	9	~~I4~~ 13	I~~I~~2	I2	I4	I~~I~~ 3 ✓	~~I4~~ ~~I8~~ 20	~~I22~~ 4 (133)	

† Spare column, no entries required.

(*Signed*) ....

P.T.O.

* See Instruction 3 (f) on other side.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Broomhill Colliery.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground I ft. 4 in.

,, Ground ,, Sea Level 92.I4 ft.

aus ✓

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	✗)	–	.I3	–	–	–	.05	–	.27	.28	.04	–		1
2	✗ I.05)	–	–	.I2	–	–	.I0	.62	.24	.04	–	–		2
3	–	–	.05	–	–	–	.06	.I6	.03	.0I	.09	.08		3
4	.20	–	–	–	–	–	.2I	–	–	–	✗)	–		4
5	–	–	.2I	–	.2I	–	.25	–	–	.09	✗.55)	.I6		5
6	.04	–	.03	–	–	–	.0I		)–	.II	.03	.03		6
7	–	–	.03	–	.04	–	✗)	.46)	.I4	.I9	–	.05		7
8	.3I	.I4	.04	.02	–	–	✗.I8)	.37	–	–	–	.49		8
9	–	.04		–	–	–	–	.I7	✓)	.45	–	.I0		9
10	.05	–	.02	–	–	–	P	.03	✗.47)	.0I	–	–		10
11	.26	–	.32	–	.0I	.0I	–	–	.I0	.55	–	–		11
12	–	.02	–	–	–	–	.I5	–	.02	.47	.04	–		12
13	–	–	.06	.07	✗)	–	–	–	.03	.23	–	–		13
14	–	–	.05	–	✗.30)	.20	.II	–	.04	✓}	.0I	.06		14
15	.67	.04	–	–	.03	I.I2	P	–	–	✓.I6	–	–		15
16	.08	–	.06	P	.I5	–	–	–	–	–	–	–		16
17	.49	–	–	–	.I3	–	–	–	–	–	.02	–		17
18	.38	–	.09	–	–	.06	.08	–	–	.06	.38	–		18
19	.I6	–		–	–	.I9	–	–	–	–	–	–		19
20	–	–		–	.07	.0I	.02	–	–	–	–	.09		20
21	✗)	.09		.06	–	–	–	.I4	.0I	–	–	–		21
22	✗.4I)	.23		–	–	–	–	–	–	–	.05	–		22
23	.09	.I5		.05	–	.07	–	–	–	–	–	–		23
24	–	.0I		.36	.03	.05	–	–	.0I	.05	–	–		24
25	.II	–	✓)	.09	–	–	–	.02	–	.26	✗)	.I9		25
26	.02	–	✓.05)	.0I	–	–	–	–	–	.55	✗.I4)	–		26
27	.26	.I5	.78	.02	–	.I9	.02	.26	–	.08	–	.I0		27
28	–	.07	.36	.II	–	.08	.07	.I4	–	–	.27	–		28
29	–		.04	–	–	–	–	–	–	.I8	–	–		29
30	–	✕	–	.0I	–	.05	.39	.03	–	.07	.36	–		30
31	–	✕	–	✕	–	✕	.06	–	✕	.03	✕	–		31
TOTAL	4.58	.94	2.32	.92	.97	2.03	I.76	2.40	I.36	3.87	I.98	I.35	Year's Total 24.48	
* Days with .01 in. or more.	~~I8~~	~~I0~~	~~I7~~	~~II~~	~~I0~~	~~II~~	~~I6~~	~~I2~~	~~I2~~	~~2I~~	~~I4~~	~~I0~~	~~I62~~	
* Days with .04 in. or more.	I7	8	12 ~~I3~~	7	7	9	I3	9	~~7~~ 6	~~I8~~ 17	II	9	~~I36~~ 125	

"d"

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) Atkinson

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations. Station No. 3590

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940.

Kept at BROOMHILL COLLIERY

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 4 in.

,, Ground ,, Sea Level 92.14 ft.

Ackd.

Days adjusted from nearby stations.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	-	-	-	.02	-	-	- ✓	-	-	-	✓	.04		1
2	.09	-	-	.02	-	-	- x	-	-	-	x .70	.06		2
3	.02	-	-	.11	-	-	x .19	-	-	-	-	-		3
4	-	-	-	.04	-	-	.22	-	-	.17	.17	.16		4
5	-	.82	-	-	.40	-	.11	.07	-	- ✓	.19	.18		5
6	x	-	-	-	-	-	x	-	-	.27 x	.41	.96		6
7	.15 x	.38	-	-	- ✓	-	x .23	.04	-	.02	-	-		7
8	-	-	.14	.03	-	.20	-	.29	-	.20	.10	.15		8
9	-	-	.32	-	-	-	.15	- ✓	.03	.19	x	-		9
10	-	-	-	.03	-	-	1.27	-	-	-	x .51	-		10
11	-	-	.53	-	-	-	.25	-	.27	-	.47	-		11
12	-	x	.70	-	-	-	-	-	.01	-	.01	-		12
13	-	x .33	.03	-	-	-	x	-	.04	-	-	.13		13
14	-	.13	.04	-	-	-	x 1.85	-	.01	.02	-	.36		14
15	x	-	-	-	.07	-	-	-	-	-	.25	-		15
16	.50 x	-	-	-	-	.16	.88	-	1.20	.24	x	-		16
17	-	-	.11	-	-	-	1.39	-	.08	.17	x .36	-		17
18	-	-	.22	-	-	-	.05	-	.03	-	.20	.09		18
19	-	-	.05	.05	-	-	.03	-	.20	-	.22	.14		19
20	-	.06	-	x	-	-	-	.47	-	-	.05	-		20
21	-	-	✓	.13 x	-	.32	-	.06	-	.30	-	-		21
22	.50	-	.04	✓	.08	-	.05	.02	.15	.15	-	-		22
23	-	-	.05	.24 x	.03	-	.20	-	-	-	-	- ✓		23
24	- ✓	-	-	.07	-	-	.07	-	.06	.14	.04	✓		24
25	-	-	-	-	✓	-	.13	-	-	.02	-	.19 x		25
26	.28	.13	-	.03	.23 x	.08	.22	.07	.19	-	-	-		26
27	- ✓	.30	✓	-	-	.02	-	-	-	.33	-	-		27
28	- ✓	.13	.09 x	.04	-	-	-	-	-	-	-	-		28
29	x		.22	-	-	-	-	.15	-	-	.05	.32		29
30	x .05	✕	-	-	-	-	-	-	-	.28	-	.96		30
31	.47	✕	.18	✕	.03	✕	-	-	✕	.30	✕	.03		31
TOTAL	2.06	2.28	2.72	.81	.84	.78	7.29	1.17	2.27	2.80	3.73	3.77	Year's Total 30.52	
* Days with .01 in. or more.	~~11~~ ~~10~~ 14	9 ✓	16	14	8	5 ✓	26	~~8~~ 9	12	16	18	16	~~142~~ ~~141~~ (158)	
* Days with .04 in. or more.	~~10~~ 9	9 ✓	13 ✓	8 ✓	4 ✓	4	~~18~~ 19	7	8	12	16	13 ✓	~~121~~ ~~120~~ (122)	

† Spare column, no entries required.

(*Signed*) A. M. [illegible] [P.T.O.

* See Instruction 3 (f) on other side.

3590/3 —

ROTHBURY

WATERLEAP

1935–40

780702

Section **A** for the entry

AIR MINIST

Station No. 3590/3

NFALL ORGANIZATION.

FORM 1090.

REG

1935. N'land/5.

Kept at Rothbury,

in the County of Nort

URY (WATERLEAP)

Diameter of Funnel of Gauge 5"

Height of top of Gauge above G 1·0

,, Ground ,, Sea Level 350'

THE MORNING MEASUREMENT IS CREDITED TO THE … AY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

From Rothbury ([illegible]) 3590/4

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						—	·13	—	·28	·055	—	·08		1
2						—	—	—	·06	·98	·155	—		2
3						·15	·005	—	—	Trace	·195	—		3
4						·21	Trace	—	Trace	·32	·08	—		4
5						·27	·01	—	·19	·045	·025	—		5
6						·03	—	—	—	·23	·005	Trace		6
7						·21	—	—	—	·07	·195	·015		7
8						·19	—	—	—	—	·065	·005		8
9						·02	—	—	—	·16	·36	·03		9
10						·02	Trace	·27	—	·035	·22	Trace		10
11						·10	—	—	·01	·01	·03	·06		11
12						·09	—	—	—	—	—	·005		12
13						·07	·05	—	·05	·02	·01	·015		13
14						·13	—	—	·06	·025	·24	·04		14
15						·05	—	·10	·33	·10	·025	·12		15
16						·30	·04	·35	·76	—	·27	·40		16
17						·005	—	·19	·03	·025	1·45	·215		17
18						·04	·03	·46	·12	·275	·08	Trace		18
19						·17	·24	—	Trace	·005	Trace	—		19
20						·23	Trace	—	—	—	·055	—		20
21						·04	—	—	·56	·33	·19	—		21
22						—	—	—	·03	·005	·01	—		22
23						—	Trace	·06	—	·17	—	—		23
24						—	—	—	·33	·005	—	·30		24
25						—	—	—	—	—	·06	·165		25
26						·01	·01	1·05	·25	·13	—	·38		26
27						·09	·01	·01	·10	·115	·05	·07		27
28						·02	—	—	·03	·13	·03	—		28
29						·05	—	·005	·075	·07	·005	·14		29
30		×				·13	—	·33	·25	·365	·53	·055		30
31		×		×		×	—	—	×	·09	×	·27		31
													Year's Total.	
TOTAL						2·675	·57	2·82	3·515	3·765	4·435	2·275		
* Days with .01 in. or more.						23	8	9	18	22	22	15		
* Days with .04 in. or more.						17	4	8	13	17	16	13		

† Spare column, no entries required.

(*Signed*) H. C. Millican

N H. C. MILLICAN

P.T.O.

40-9999

* See Instruction 2 (f) on other side.

Station No. 3590/3

N'land/5.

Section **A** for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

ROTHBURY (WATERLEAP)

Kept at Rothbury, Waterleap

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 350 ft.

5"
1.0
350

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1						—	·13	—	·28	·055	—	·08		1
2						—	—	—	·06	·98	·155	—		2
3						·15	·005	—	—	Trce	·195	—		3
4						·21	Trce	—	Trce	·32	·08	—		4
5						·27	·01	—	·19	·045	·025	—		5
6						·03	—	—	—	·23	·005	Trce		6
7						·21	—	—	—	·07	·195	·015		7
8						·19	—	—	—	—	·065	·005		8
9						·02	—	—	—	·16	·36	·03		9
10						·02	Trce	·27	—	·035	·22	Trce		10
11						·10	—	—	·01	·01	·03	·06		11
12						·09	—	—	—	—	—	·005		12
13						·07	·05	—	·05	·02	·01	·015		13
14						·13	—	—	·06	·025	·24	·04		14
15						·05	—	·10	·33	·10	·025	·12		15
16						·30	·04	·35	·76	—	·27	·40		16
17						·005	—	·19	·03	·025	1·45	·215		17
18						·04	·03	·46	·12	·275	·08	Trce		18
19						·17	·24	—	Trce	·005	Trce	—		19
20						·23	Trce	—	—	—	·055	—		20
21						·04	—	—	·56	·33	·19	—		21
22						—	—	—	·03	·005	·01	—		22
23						—	Trce	·06	—	·17	—	—		23
24						—	—	—	·33	·005	—	·30		24
25						—	—	—	—	—	·06	·165		25
26						·01	·01	1·05	·25	·13	—	·38		26
27						·09	·01	·01	·10	·115	·05	·07		27
28						·02	—	—	·03	·13	·03	—		28
29						·05	—	·005	·075	·07	·005	·14		29
30		×				·13	—	·33	·25	·365	·53	·055		30
31		×		×		×	—	—	×	·09	×	·27		31
TOTAL						2·675	·57	2·82	3·515	3·765	4·435	2·275	Year's Total:	
* Days with .01 in. or more.						23	8	9	18	22	22	15		
* Days with .04 in. or more.						17	4	8	13	17	16	13		

From Rothbury (Heatherlea) 3590/4

40-9999

† Spare column, no entries required.

(Signed) H. C. Millican

N H.C. MILLICAN

P.T.O.

* See Instruction 2 (f) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. ·3590/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

c with 1935

Annual total adj for audit /

Kept at "Waterleap" Rothbury
in the County of Northumberland

Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft — in.
,, Ground ,, Sea Level about 350 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·38	·25	·57	—	—	·31	·33	·37	·245	—	·035	—		1
2	·12	·01	·09	—	—	Ice	·05	·02	·09	—	·005	·05		2
3	·02	Ice	Ice	—	—	1·25	·28	·05	·24	Ice	—	·01		3
4	·425	—	·03	·005	·015	·02	—	·36	·11	·035	·06	·005		4
5	·15	Ice	—	—	·03	—	—	·04	·075	·015	·03	Ice		5
6	·18	—	—	Ice	·01	—	·025	·42	·39	—	·22	—		6
7	·06	—	·14	—	Ice	—	·275	—	·015	—	·15	·01		7
8	·235	—	·065	—	—	—	—	—	Ice	·04	·03	—		8
9	·53	Ice	·67	—	—	·06	·01	—	(·20)	·05	·36	—		9
10	·25	—	Ice	·13	—	—	·025	Ice		·015	·005	—		10
11	—	—	—	·27	—	·025	·16	·10	(·02)	·025	1·29	·04		11
12	Ice	—	—	·25	·005	·03	·17	·04	(·65)	—	·50	·04		12
13	·07	—	—	·47	—	—	·09	—		·085	·015	·49		13
14	—	—	—	·37	—	·15 m	·01	·02	(·30)	—	·02	·47		14
15	—	Ice	Ice	·45	·21	·025	·18	·03	(·02)	—	·10	Ice		15
16	·07	—	—	·305	—	—	—	—		·01	·27	·04		16
17	·14	·27	—	·04	·05	—	·505	Ice		·05	1·05	·12		17
18	—	·15	—	·005	—	—	·05	—	(·08)	·11	Ice	·09		18
19	·47	·20	·005	—	—	—	·11	Ice ~~1·32~~	~~1·32~~	·005	·005	·035		19
20	·35	·14	·01	·03	Ice	—	·12	·01	Ice	Ice	—	·04		20
21	·065	·015	·02	Ice	—	—	·07	·01	—	—	—	·10		21
22	—	·34	·025	—	·06	·02	·04	—	—	—	—	—		22
23	—	·03	·015	·075	·065	—	·46	—	—	Ice	—	—		23
24	·025	·475	·005	—	·57	Ice	—	—	1·01	·36	—	—		24
25	·26	—	·05	—	·01	—	·05	—	·05	·08	·01	—		25
26	·05	·125	·26	—	—	—	—	—	·09	·275	—	—		26
27	·04	—	·135	—	·005	—	—	—	·16	Ice	Ice	—		27
28	·13	·94	·01	·005	—	—	—	—	—	—	—	—		28
29	·64	·98	·23	—	·10	·80	·22	—	—	·18	—	·01		29
30	·015	×	·05	—	·015	—	·13	—	Ice	·12	—	Ice		30
31	·015	×	·16	×	·03	×	—	—	×	—	×	·06		31
TOTAL	4·695	3·925	2·54	2·405	1·175	2·70	3·36	1·47	~~3·605~~ 3·795	1·405	4·155	1·61	Year's Total. ~~30·835~~	33·23
* Days with .01 in. or more.	24	13	17	10	12	10	22	12	17	15	15	15	187	
* Days with .04 in. or more.	20	10	11	9	6	5	18	7	15	10	9	11	131	

Unrecorded: Gauge broken

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) A. Chittican

[P.T.O.

ROTHBURY (WELL CLOSE) †

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3590/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

adjustments in red ink by surrounding stations.

Kept at Well Close Rothbury

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	·02	·3	·01	tr	·15	tr	—	·25	·16	tr	·07		1
2	tr	·19	tr	·15	tr	·10	—	—	—	—	—	·36		2
3	—	·3	·03	·05	·18	·07	·46	—	tr	tr	tr	·16		3
4	·18	tr	·16	tr	—	·03	·05	·27	02	tr	—	·16		4
5	tr	—	·16	·02	·33	tr	·05	—	·6	tr	—	·15		5
6	tr	—	·06	·1	·04	—	tr	~~tr~~	·2	01	·16	·15		6
7	—	·21	·22	·15	·01	·02	·09	—	—	·1	·08	—		7
8	—	·48	·08	·01	—	tr	·23	—	—	—	·09	·27		8
9	—	·03	·17	·20	—	—	·27	·06	—	tr	·11	·45		9
10	—	tr	·06	tr	·12	—	·12	—	—	—	·26	·13		10
11	—	—	·65	tr	—	·17	—	—	02	—	tr	·67		11
12	·28	·26	·98	·05	—	—	—	·47	06	·1	·05	—		12
13	—	·04	·12	·18	·07	·03	tr	·05	—	tr	tr	·38		13
14	—	—	·01	tr	tr	·69	tr	·54	07	—	—	·45		14
15	·28	·66	tr	·31	—	—	·30	—	2	—	tr	·32		15
16	·07	·06	·35	·27	—	·03	—	·11	·34	tr	·05	·57		16
17	·15	·02	·28	·05	·08	·04	—	tr	(1·20)	—	—	—		17
18	tr	·03	tr	tr	—	·1	—	tr	tr	tr	·13	—		18
19	—	·03	tr	tr	—	tr	—	tr	03	tr	·50	—		19
20	·07	—	·14	·16	1·2	tr	tr	tr	07	—	tr	·04		20
21	·05	—	·01	·07	·36	tr	·23	—	—	tr	—	·05		21
22	·1	—	·2	—	·1	·08	·05	tr	tr	06	—	·03		22
23	·19	—	tr	—	·02	·07	·04	—	06	·90	tr	—		23
24	·24	tr	—	—	·16	—	·33	—	—	·28	tr	—		24
25	·27	·6	—	—	·11	—	—	·11	—	·19	—	—		25
26	·05	·2	·03	tr	·67	—	—	—	tr	—	·03	—		26
27	·02	·84	—	·06	—	—	·02	—	·01	·37	—	tr		27
28	·2	tr	·02	—	—	—	—	—	—	·10	—	·04		28
29	·26	—	—	—	—	·06	—	·45	—	·09	·01	·09		29
30	·49	✕	—	—	—	·02	tr	·4	06	·01	·05	·17		30
31	·6	✕	—	✕	·01	✕	—	·52	✕	·45	✕	tr		31
TOTAL	5 3·42	3·97	4·04	1·84	3·49	1·66	2·40	2·98	3·19 ~~4·65~~	2·82 ~~3·45~~	1·52	5·01	Year's Total ~~28·61~~	36·44
* Days with .01 in. or more.	18	16	20	16	15	15	13	10	15	13	12	20	183	
* Days with .04 in. or more.	16	11	15	13	12	10	12	10	11	11	10	19	150	

† Spare column: no entries required.

(Signed) MISS J. L. Livingston [P.T.O.

* See Instruction 3 (f) on other side.

† Station formerly called Rothbury ([illegible]) Gauge moved 1 ml E on 8.12.37.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Well Close

in the County of Rothbury

Diameter of Funnel of Gauge 5' in.

Height of top of Gauge above Ground 4 ft. ...... in.

" Ground " Sea Level ? 240 ft.

B.A

Jan 9, July 2 & 4, Aug 8 & 28th, Sept 1, 29, Oct. 7, Nov. 2, 3, 28, 31, Dec. 25 & 31st amended by comp. with nearby stns. W.E.R.

✓ W.E.R.

Jan & June totals corrected for arithmetic

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	TR	·12	–			1·4	·02	–	~~t~~ 0·01	·06	·12	~~tr~~		1
2	·06	–	–			·3	~~3·~~ 0·30	–	tr	–	~~t~~ 0·10	·08		2
3	·04	–	–				·03	–	·01	·45	tr	·07		3
4	·03	TR	–				~~t~~ 0·10	–	·19	·95	~~t2~~ 0·12	–		4
5	–	·12	tr				·07	–	·	·05	·03	·42		5
6	·02	–					·02	·20	·12	·08	–	tr		6
7	TR	–					–	·03	·18	~~2·~~ 0·20	~~tr~~ 0·41	tr		7
8	·27	–					·5	~~t~~ 0·10	·16	·06	~~tr~~	tr		8
9	~~2·5~~ 0·25	–				·23	·21	·01		·48	·55	·19		9
10	TR	–			·5	·21	–			·05	tr	·43		10
11	·04	tr					–		·05	·02	–	·05		11
12	·19	·04			·01		·04	tr		·02	·08	·08		12
13	·09	·14			·14		–	·3		·15	·38	tr		13
14	·34	·04	·27		·05		·05	·09	·23	·01	·20	·18		14
15	·09	·04			·06		–			tr	–	tr		15
16	·27	·01			·02		·03	·22		·03	tr	·45		16
17	TR	–			·03		·08	·07	·08	1	tr	·18		17
18	·07	tr	·09		·46		·02	·06	·03	·38	–	–		18
19	–	·08	·2		–	·2	–	·14	·12	·05	·32	–		19
20	–	–	·39		–	·1	–	·13	·06	–	·07	·4		20
21	–	–	–		–			·07	·06	–	tr	·3		21
22	–	–	–					·45		–	·03	·25		22
23	TR	–	–	tr	·02					tr	·3	·30		23
24	·05	–	–			·05			tr	tr	·25	·22		24
25	–	–	–	·02	tr			·56	·11	·46	·1	~~t~~ 0·10		25
26	TR	·17			·04		·72	·02	–	·26	·05	·08		26
27	·12	–		·01	·16		–	–	–	·15	·07	–		27
28	·23	–		tr			·35	~~t~~ 0·10	tr	·13	~~·07~~ ·08	~~tr~~ 0·10		28
29	–	tr		·05	·28	tr	tr	–	~~t~~ 0·60	tr	~~·85~~	4		29
30	·14	✕	–	–	·16		·07	·16	–	–	·28	tr		30
31	·46	✕		✕	·32	✕	–	·03	✕	–	0·11 ✕	(·40)		31
TOTAL	~~5·02~~ 2·076	·76	·95	·08	2·25	~~5·19~~ 2·49	~~·21~~ 2·61	~~4·46~~ 2·66	~~3·¼~~ 2·01	~~6·84~~ 5·04	~~6·97~~ 3·27	~~5·16~~ 4·36	Year's Total ~~45·38~~	29·24
* Days with .01 in. or more.	18	9	4	3	14	7	16	18	15	21	19	19	163	✓
* Days with .04 in. or more.	16	8	4	1	10	7	11	14	12	17	17	19	136	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) J. Livingston

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at WELL CLOSE

in the County of ROTHBURY, NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft. in.

,, Ground ,, Sea Level 240 ft.

Corr'd for wrong Day.
Entries on Jan 2nd, 15th, March 12th and Oct 13th & Dec 31st est'd by refce. to nearby station [illegible]

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·45	—	·11	·03	·05	—	·15	·16	TR	·15	·10	·35		1
2	(·70) ~~[illegible]~~	·01	·38	TR	TR	—	—	—	·12	·28	·12	·12		2
3	·43	—	TR	·05	·12	—	TR	·20	·60	·04	·09	TR		3
4	—	—	·03	·05	·01	—	·08	·08	·15	·05	·68	·15		4
5	·22	·03	·29	—	—	—	·12	—	·50	TR	·38	TR		5
6	TR	TR	·05	TR	·27	—	·36	·28	·04	·58	·50	·40		6
7	·15	—	·11	·01	—	—	·50	·03	—	·10	TR	·03		7
8	·03	TR	·49	·02	·25	—	·35	·34	—	·25	TR	TR		8
9	·45	·20	·09	·15	—	·03	·09	·35	—	·03	·15	·48		9
10	·04	·12	TR	TR	·02	·01	·58	·21	·05	1·10	TR	·10		10
11	·05	—	·03	—	—	·02	—	·05	·18	·12	—	TR		11
12	·45	·49	(·30) ~~[illegible]~~	—	·06	·06	—	·03	·08	·18	·05	·09		12
13	—	·04	TR	TR	—	·07	·12	·31	TR	1·02	·07	TR		13
14	—	—	·14	—	·28	·05	·03	·02	—	·42	TR	TR		14
15	(·80) ~~[illegible]~~	—	·08	·05	·10	·25	·15	—	·03	·38	·09	TR		15
16	·19	·05	TR	—	·03	·42	—	—	TR	·05	TR	·05		16
17	·28	·03	·12	·03	·22	—	—	—	TR	—	—	—		17
18	·51	—	·01	TR	·09	—	·04	—	—	TR	·07	—		18
19	·92	·03	·18	—	—	·13	·03	·32	TR	·15	·48	—		19
20	·18	—	—	TR	·03	·35	—	·11	—	—	TR	·07		20
21	TR	TR	—	—	TR	·09	TR	TR	TR	TR	TR	—		21
22	·08	·09	·03	·12	TR	TR	—	TR	TR	·03	TR	TR		22
23	·23	·41	·12	·05	—	—	·05	—	—	TR	·07	TR		23
24	·08	·15	·15	·04	—	·15	TR	—	·03	—	—	TR		24
25	—	·09	·32	·45	·18	·12	—	TR	—	TR	·05	—		25
26	·30	TR	·07	·12	—	·16	—	·05	TR	·21	·24	·12		26
27	·07	TR	·12	·07	·01	·18	—	·09	·03	·31	·20	·05		27
28	·05	·29	1·45	·04	—	·05	·03	·30	—	·01	·03	—		28
29	·05	(·07) ~~[illegible]~~	·12	·13	—	·05	·15	—	TR	·38	·25	·18		29
30	·05	·11	·12	—	—	—	·55	·02	—	·25	·04	TR		30
31	·03 —		~~—~~ ·03	·05	—	·15	·05 ·16	— TR	·15	·55 ·10	·35	TR	35·20	31
TOTAL	6·34 ~~[illegible]~~	1·81 ~~[illegible]~~	3·05 ~~2·66~~	1·413	1·37 ~~[illegible]~~	2·29 ~~[illegible]~~	3·38 ~~[illegible]~~	1·84 ~~[illegible]~~	1·96 ~~[illegible]~~	6·66 ~~[illegible]~~	3·23 ~~[illegible]~~	1·84 ~~[illegible]~~	Year's Total ~~[illegible]~~	
* Days with .01 in. or more.	24	16	24	16	14	18	15	17	12 ~~[illegible]~~	23	19	12 ~~[illegible]~~	213	
* Days with .04 in. or more.	12	12	18	13	8	14	16	10	9	20 ~~19~~	15	11 ~~[illegible]~~	171 ~~[illegible]~~	

† Spare column, no entries required.

(*Signed*) J. L. Livingston

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 359015 3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

Kept at Well Close

in the County of Rothbury, Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 340 ft.

July & Oct. corrd. for Arith.

B.D. Circ C Sent 26/2/41

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·28

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	—	·12	·05	·26	·03	·04	·01	·02	—	TR	·15	·01		1
2	·01	·05	—	·08	·01	—	·22	—	—	—	·13	·03		2
3	·07	·15	TR	·03	·02	—	·08	TR	—	TR	·70	·10		3
4	·02	·20	·01	·11	TR	—	·07	·01	TR	·02	TR	TR		4
5	·03	·40	—	·02	—	—	·09	—	TR	·10	·02	·02		5
6	—	·05	TR	·08	·28	—	—	TR	—	·18	·17	·31		6
7	·09	·13	·01	TR	·22	—	·17	·01	TR	·07	·38	·90		7
8	·12	TR	·03	·01	TR	—	TR	·06	—	·31	TR	·02		8
9	—	TR	·07	·11	—	·40	·03	·15	TR	·22	·13	·08		9
10	—	·12	·43	·03	—	—	[illegible]	—	·01	·25	·28	·01		10
11	—	·03	·07	·02	—	—	·88	·04	·02	—	·15	—		11
12	TR	·04	·75	TR	TR	TR	·32	—	·05	TR	·40	·02		12
13	TR	·03	·07	—	—	·05	TR	·02	·04	—	·05	·03		13
14	—	·30	·03	—	TR	—	·97	·01	·12	—	—	·09		14
15	TR	·22	·07	TR	·02	—	·79	·23	·03	·05	·25	·10		15
16	·18	·03	·01	·01	·04	·43	—	—	—	TR	·15	·15		16
17	·20	·01	·12	·04	—	—	·50	·42	1·02	·32	·05	·04		17
18	TR	TR	·03	TR	—	—	1·25	—	·15	·11	·80	TR		18
19	·05	·03	·15	—	—	TR	·04	·01	·11	TR	·08	·07		19
20	·13	·01	·07	·08	—	—	·10	·03	·35	·41	·05	·05		20
21	TR	TR	·06	·12	TR	—	·13	·30	TR	TR	·05	·07		21
22	·70	·22	·02	·20	·01	·30	—	·24	—	·38	—	[illegible]		22
23	·19	·01	·03	·15	·02	·25	·16	·02	·22	·48	—	·01		23
24	—	·05	·17	·12	·04	·05	·09	—	·02	·18	·09	·05		24
25	·03	TR	·03	·03	·10	TR	·03	·03	TR	·17	TR	·02		25
26	·07	·05	TR	·02	·44	—	·08	—	—	·05	—	TR		26
27	·20	·12	·01	TR	·17	·07	·37	·12	·03	·02	TR	·31		27
28	·03	·22	·02	TR	TR	TR	·09	·01	—	·12	·01	·02		28
29	·17	·19	·04	·03	·01	TR	—	·27	TR	—	·01	·01		29
30	·20	✕	·35	·11	—	·06	·01	[illegible]	—	·13	TR	·28		30
31	·24	✕	·10	✕	TR	✕	TR	·01	✕	·27	✕	·60		31
TOTAL	·12 ~~2·67~~ 2·79	·05 ~~2·35~~ 2·40	·06 ~~2·85~~ 2·86	·03 ~~1·20~~ 1·23	·04 ~~1·22~~ 1·03	·01 ~~1·21~~ 1·22	·02 6·0[illegible] 6·7[illegible]	·99 ~~[illegible]~~	2·17	·15 ~~3·15~~ 3·40	·01 4·23	·28 ~~[illegible]~~ 3·38	Year's Total ~~[illegible]~~	32·42 ~~32·14~~
* Days with .01 in. or more.	20	24	26	[illegible]	14	9	24	19	13	21	21	27	239 ~~238~~	/
* Days with .04 in. or more.	14 5	15	15	8	8	9	10	7	8	16	16	11 5	149	/

Print

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) J. Williamson ~~for~~ Miss. Livingston [P.T.O.

3590/4

3590/4

ROTHBURY
HEATHERLEA
1931-35

780702

Section **A** for the entry of D
AIR MINISTRY.

COPY FOR OFFICIAL USE.
ALL ORGANIZATION.

FORM 1090.

REGIST

31 .

N'la /5

Kept at ~~Heatherlea~~ X Rothbu

in the County of Northum

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Lev

THE MORNING MEASUR AY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Heatherlea, Rothbury

Please read the Notes nd Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in	in.	in.	
1								0·14		see previous column	0·02		1
2									0·50				2
3									0·13			0·26	3
4									0·03		0·81	0·11	4
5									1·26		0·03	0·03	5
6							0·01	0·16				0·30	6
7							0·35	0·34	0·05		0·02		7
8								0·03			0·22		8
9							0·72	0·17			0·10		9
10							0·01	0·19			0·22	0·02	10
11							0·08		0·04		0·01		11
12							0·19		0·02				12
13							0·07	0·15					13
14							0·01	0·01					14
15								0·20			0·14	0·05	15
16								0·04			0·01	0·03	16
17							0·38	0·25	0·07				17
18							0·33	1·41		0·02	0·11		18
19							0·08	0·52			0·51		19
20							0·07			0·03			20
21								0·10	September 18th to Oct 17th inclusive 0·48 ins fell		0·03		21
22								0·13				0·01	22
23							0·04				0·05		23
24								0·01		0·19	0·78	0·01	24
25										0·10	0·07		25
26							0·07				0·03		26
27							0·04				0·47		27
28							0·01			0·07		0·01	28
29							0·01				0·37		29
30		×					0·17			0·23		0·42	30
31		×		×		×			×		×		31
TOTAL							2·64	3·85	← 2·74 →		4·00	1·25	YEAR'S TOTAL
*Days with ·01 in. or more.							18	16	← not known →		19	11	
*Days with ·04 in. or more.							13	13	← not known →		12	5	

from Newcastle (Wellburn)

[illegible]

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(Signed) [P.T.O.

*See Instruction 2 (*f*) on other side.

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Section **A** for the entry of D COPY FOR OFFICIAL USE.
AIR MINISTRY. ALL ORGANIZATION.

3540/

FORM 1090.

REGISTER OF RAINFALL IN 193 .

N'land/5

Kept at ~~Heatherlea~~ X Rothbury ~~2~~ (Heatherlea) X
in the County of Northumberland

Diameter of Funnel of Gauge..........in.
Height of top of Gauge above Ground..........ft..........in.
,, Ground ,, Sea Level..........ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

← Heatherlea Rothbury →

Please read the Notes and Instructions Overleaf.

G from Newcastle (Wellburn)

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1								0·14			0·02		1
2									0·50				2
3									0·13			0·26	3
4									0·03		0·81	0·11	4
5									1·26		0·03	0·03	5
6							0·01	0·16				0·30	6
7							0·35	0·34	0·05	see previous column	0·02		7
8								0·03			0·22		8
9							0·72	0·17			0·10		9
10							0·01	0·19			0·22	0·02	10
11							0·08		0·04		0·01		11
12							0·19		0·02				12
13							0·07	0·15					13
14							0·01	0·01					14
15								0·20			0·14	0·05	15
16								0·04			0·01	0·03	16
17							0·38	0·25	0·07				17
18							0·33	1·41		0·02	0·11		18
19							0·08	0·52			0·51		19
20							0·07			0·03			20
21								0·10			0·03		21
22								0·13				0·01	22
23							0·04				0·05		23
24								0·01		0·19	0·78	0·01	24
25									September 18th to Oct 17th inclusive 0·48 ins fell	0·10	0·07		25
26							0·07				0·03		26
27							0·04				0·47		27
28							0·01			0·07		0·01	28
29							0·01				0·37		29
30		X					0·17			0·23		0·42	30
31		X		X		X			X		X		31
TOTAL							2·64	3·85	← 2·74	→	4·00	1·25	YEAR'S TOTAL
*Days with ·01 in. or more.							18	16	←not known	→	19	11	
*Days with ·04 in. or more.							13	13	< not known	>	12	5	

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(Signed).......... [P.T.O.

*See Instruction 2 (*f*) on other side.

X ROTHBURY (HEATHERLEA) X

661942/26

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 35904

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

North/5

C inf. 1931.

O.K. print.

Kept at Heatherlea, Rothbury

in the County of Northumberland

Diameter of Funnel of Gauge Five in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, (Sea Level 460 ft.) (as per 6" Ordnance map)

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0·04			0·06					0·04	0·03	0·02	0·19	1
2	0·05			0·01	0·18				0·32	0·14	0·04	0·12	2
3	0·01	0·01		0·14		0·01	0·08		0·24	0·09	0·02	0·01	3
4	0·01				0·17		0·38	0·30	0·03			0·02	4
5	0·02		0·03	0·04	0·12				0·09			0·03	5
6	0·02		0·05	0·03	0·03				0·09	0·04		0·08	6
7			0·21		0·02				0·19	0·12		0·01	7
8		0·06	0·06	0·10	0·03				0·28	0·48	0·01		8
9	0·33	0·16		0·47	0·15				0·04	0·09	0·01	0·13	9
10	0·01	0·03	0·06	0·21					0·15	0·43		0·14	10
11		0·04		0·01	0·29	0·08	0·70			0·14	0·01		11
12	0·18	0·04			0·15		0·02	0·01			0·04		12
13	0·13	0·10		0·24	0·07			0·08	0·10			0·13	13
14	0·07			0·05						0·01	0·03	0·01	14
15	0·17			0·03	0·10					0·02	0·18	0·03	15
16	0·41		0·04							0·01	0·04	0·22	16
17				0·01	0·03		0·07	0·09		0·44	0·01	0·36	17
18					0·08								18
19		0·01	0·04	0·05	0·06					0·21			19
20			0·28	0·07	0·04			0·20		0·13		0·09	20
21			0·28	0·01	0·22		0·01	0·42		0·76	0·02		21
22			0·46	0·16			0·16			0·02	0·09	0·01	22
23				0·18			0·12		0·10				23
24				0·04	0·01		0·16	0·08	0·22				24
25		0·21			0·13		0·17		0·04	0·10	0·04		25
26		0·01			0·15			0·01	0·81	0·02	0·05		26
27			0·60	0·26	0·06	0·61	0·20			0·47			27
28				0·14	0·53	0·02				0·35			28
29			0·45	0·01	0·05	0·04	0·33	0·28	0·01	0·14	0·11	0·13	29
30		×	0·06			0·40	0·07	0·06	1·56	0·25	0·03		30
31		×		×		×	0·11	0·04	×		×	0·02	31 [illegible]
TOTAL	1·45	0·67	2·62	2·32	2·67	1·16	2·58	1·57	4·31	4·49	0·75	1·73	YEAR'S TOTAL 26·32
*Days with ·01 in. or more.	13	10	13	22	22	6	14	11	17	23	17	18	186
*Days with ·04 in. or more.	8	6	12	15	17	4	12	9	15	17	8	10	133

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) John H. Holmes

X J. H. HOLMES ESQ. C.C. X

P.T.O.

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3590/4

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Heatherlea, Rothbury

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 460 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		0·03	0·01		0·03			0·01		0·02	0·03	0·05		1
2	0·22		0·31			0·27					1·04	0·04		2
3	0·01	0·05	0·26		0·06					0·01	0·80			3
4	0·10	0·04	0·01		0·03									4
5	0·04	0·04	0·01		0·10									5
6		0·20	0·05					0·09			0·01	0·17		6
7	0·04	0·22		0·01	0·18					0·83		0·02		7
8		0·02	0·04	0·03	0·11	0·20						0·22		8
9		0·19			0·02		0·08			0·25	0·02	0·11		9
10		0·03				0·09					0·22	0·05		10
11		0·03			0·08		0·01	0·06			0·01			11
12	0·03				0·01	0·13						0·16		12
13			0·04		0·13		0·45	0·07	0·04	0·01	0·08	0·01		13
14	0·22		0·04		0·04		0·38				0·09	0·33		14
15	0·06		0·10	0·06		0·07	0·03	0·05		0·12	0·42			15
16	0·09		0·10	0·01	0·12	0·04	0·10	0·01			0·15			16
17	0·17	0·13		0·14		0·11		0·02	0·05		0·42	0·01		17
18		0·30	0·13	0·08		0·11	0·03	0·08			0·58			18
19		0·07	0·03	0·01		0·03	0·32	0·18			0·07			19
20		0·05			0·30				0·30	0·04	0·01	0·01		20
21		0·03						0·27	0·04	0·11	0·09			21
22		0·03		0·01				0·01	0·05	0·63				22
23		0·08			0·11	0·26		0·01	0·16	0·06	0·17			23
24		0·31		0·28	0·02		0·06		0·14	0·09	0·05	0·02		24
25		0·72		0·26			0·03		0·45	0·58	0·03			25
26		0·93		0·13	0·08				0·01	0·12	0·11	0·06		26
27		0·06			0·02		0·23			0·26	0·22	0·08		27
28	0·07			0·04			0·05	1·10	0·01	0·64	0·01	0·13		28
29				0·19			0·30	0·02		0·34		0·04		29
30	0·03	×		0·09		0·02	0·09		0·04	0·01		0·02		30
31	0·22	×		×		×	0·03	0·03	×		×	0·08		31
													Year's Total	
TOTAL	1·30	3·56	1·13	1·34	1·44	1·33	2·19	2·01	1·29	4·12	4·63	1·61	25·95	
*Days with ·01 in. or more.	13	21	13	14	17	11	15	15	11	17	22	19	188	
*Days with .04 in. or more.	10	15	9	9	11	9	10	8	9	13	15	13	131	

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) J. H. Holmes (M.Inst.C.E.)

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3590/4

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Heatherlea, Rothbury.

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 460 ft.

Days
alf

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	—	—	·01	—	—	—	·42	—	—	—	·01		1
2	—	·01	·03	—	—	—	—	·20	·15	—	·09	·29		2
3	—	·05	—	—	—	Trace	—	—	—	·06	·08	·11		3
4	·02	—	·01	·17	—	—	—	—	Trace	·14	·37	1·09		4
5	·01	—	·14	·07	·11	·03	—	—	—	·06	·55	·07		5
6	·03	—	·01	·30	·32	·09	—	·97	·05	·05	·95	·23		6
7	·01	·05	·01	·05	·07	·02	—	—	—	·01	—	·12		7
8	—	—	·31	—	·08	—	—	·01	·02	·11	·01	·04		8
9	—	—	—	·88	—	—	—	·01	·02	·01	1·04	·01		9
10	—	—	·78	·47	—	—	—	·52	—	—	·85	—		10
11	·04	—	1·54	1·11	—	—	—	Trace	—	—	·09	·03		11
12	·01	—	1·46	·53	·04	—	·20	·32	—	—	·15	·11		12
13	·36	—	·06	·04	·02	Trace	·93	·03	—	·03	·01	—		13
14	·26	—	·31	—	—	—	·11	—	·01	·01	·04	·14		14
15	—	—	·03	—	·26	—	—	—	·03	·81	·15	·13		15
16	·11	—	·25	—	·02	—	—	—	—	·03	·10	—		16
17	·08	—	·06	—	·04	—	·40	—	·25	·07	·03	·25		17
18	·64	—	·01	·01	·09	·06	·04	·06	—	·01	—	·07		18
19	—	—	·22	·30	·08	·04	·04	·04	·01	—	·11	·03		19
20	—	—	·13	—	·01	·12	—	·21	—	·05	—	—		20
21	—	—	—	—	—	·64	—	·13	·06	·02	—	·01		21
22	—	—	—	·02	—	·53	·03	·12	·17	—	·02	·21		22
23	—	—	·12	·10	—	—	·15	—	—	·04	·02	·17		23
24	—	—	—	·02	·03	·02	—	·01	·01	·59	—	·13		24
25	·03	·02	—	·02	—	—	Trace	—	·18	·18	—	1·09		25
26	·04	—	—	·33	—	·21	·05	—	·02	·26	—	·03		26
27	—	snow ·72	—	·59	—	·01	·01	—	·02	·15	—	·18		27
28	—	—	—	·46	—	—	—	·25	—	·01	—	·22		28
29	—	—	·16	—	—	—	·20	·39	·33	·36	—	·05		29
30	·16	×	·03	—	—	—	·02	—	·08	1·65	—	·03		30
31	·11	×	—	×	—	×	—	·09	×	—	×	·04		31
TOTAL	1·93	·85	5·67	5·48	1·17	1·77	2·18	3·78	1·41	4·71	4·66	4·89	Year's Total 38·50	
*Days with ·01 in. or more.	~~7~~ 16	2 5	~~6~~ 20	5 19	4 13	4 11	3 12	4 14	~~7~~ 16	~~7~~ 23	~~5~~ 18	~~7~~ 24	~~61~~	194
*Days with ·04 in. or more.	9	3	~~12~~ 13	~~13~~ 14	9	7	9	13	8	~~14~~ 15	~~11~~ 13	20	~~128~~	133

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*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) J. H. Holmes

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3590/4

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at HEATHERLEA "A" ~~"WATERLEAP"~~ ROTHBURY.

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level about 350 ft

3590/4

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·43	—	·43	·06	—									1
2	—	—	·03	·02	—									2
3	—	·10	·11	·11	—									3
4	—	—	·02	—	—									4
5	·30	·04	·04	·03	—									5
6	·17	·01	·01	—	—									6
7	·46	—	·01	·24	—									7
8	·02	—	—	·25	—									8
9	·01	·05	—	·30	—									9
10	—	·11	—	·29	—									10
11	·22	·02	—	·04	—									11
12	—	·03	—	—	—									12
13	·10	·01	—	·11	·24									13
14	—	—	·10	·13	—									14
15	—	·10	—	·35	·26									15
16	·01	·29	·05	·40	·68									16
17	·02	·02	—	·30	·06									17
18	·11	·10	—	—	—									18
19	·04	·13	—	·03	—									19
20	·01	·14	—	·33	—									20
21	—	·02	·04	·57	—									21
22	—	·44	·02	·38	—									22
23	·04	—	—	·05	—									23
24	·08	·47	·08	·01	—									24
25	—	·02	·01	·03	—									25
26	·35	·06	—	—	—									26
27	·19	—	—	—	—									27
28	·02	·04	·01	—	—									28
29	—	—	·20	—	—									29
30	—	✕	·04	—	—									30
31	—	✕	—	✕	—	✕			✕		✕			31
TOTAL	2·58	2·20	1·20	4·03	1·24								Year's Total.	
* Days with .01 in. or more.	18	20	16	21	4									
* Days with .04 in. or more.	12	13	9	16	4									

To Rothbury (Waterleap).

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) H. C. Millican Esq.

[P.T.O.

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3590/4/5 – 004975

AMBLE

1937 – 1940

78 07 02

Section **A** for
A

FORM 1090.

Station No. 3590/4/5

RAINFALL ORGANIZATION

1937. 5

Kept at ....AMBL

in the County of ..N

Diameter of Funnel

Height of top of Gau

,, Ground ,, Sea Level ....11.50 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	·28	—	—	·14	—	—	·10	·04	—	·13		1
2	—	·12	—	·08	—	·07	—	—	—	TR	—	·27		2
3	·01	·08	—	·05	—	·13	·79	—	—	—	—	·13		3
4	·05	—	·08	—	—	·04	·01	—	—	—	—	·16		4
5	—	—	·05	—	·17	TR	·04	—	·16	—	—	·48		5
6	—	—	·04	·07	·02	—	[illegible]	—	·01	—	·12	·07		6
7	—	·04	—	·12	·04	·07	·12	—	—	TR	·21	·54		7
8	—	·50	·06	·02	—	—	·07	—	—	—	·04	·43		8
9	—	—	·24	·12	—	·03	·25	·16	—	—	·16	·12		9
10	—	—	·04	TR	·06	·01	·04	—	—	—	·35	·27		10
11	—	—	·42	·02	—	·05	—	—	—	—	TR	·79		11
12	·07	·28	·71	·06	—	·04	—	—	·06	—	·01	·23		12
13	—	·06	·08	·01	·04	·02	·03	·40	·04	—	TR	·62		13
14	—	—	·01	TR	—	·30	TR	·53	·01	—	—	·59		14
15	·06	·42	—	·30	—	—	·01	—	·12	—	·01	·15		15
16	·03	·02	·48	·53	—	·03	—	·03	·01	—	·03	·39		16
17	·15	—	·13	·05	·01	·08	—	·01	·70	—	—	·15		17
18	—	·04	·07	—	—	·14	TR	·13	—	—	·03	—		18
19	—	·01	·03	·04	—	·07	—	·01	TR	—	·12	—		19
20	·03	—	·08	·10	1·30	—	—	—	—	·01	—	·06		20
21	TR	—	·01	·08	0·22	—	·21	—	—	·09	—	·11		21
22	·05	—	·15	—	TR	·06	TR	—	—	·06	TR	·02		22
23	·21	—	·01	—	·07	·04	—	—	—	·67	·02	·01		23
24	·28	—	—	—	·12	—	·22	—	·07	·18	—	—		24
25	—	·36	—	—	—	—	—	·07	—	·28	—	TR		25
26	—	·19	·32	—	·61	—	—	—	TR	—	—	—		26
27	·31	·62	·12	·04	—	—	·11	—	—	·39	TR	·01		27
28	·14	—	·02	—	—	·01	—	—	—	·10	—	·03		28
29	·24	✕	—	—	—	—	—	·13	—	·05	·05	·09		29
30	—	✕	—	—	—	·05	—	·36	·05	·02	·07	·02	print	30
31	·94	✕	—	✕	—	✕	—	·27	✕	·34	✕	·01		31
TOTAL	2·57	2·74	3·43	1·69	2·66	1·38	1·90	2·10	1·33	2·23	1·22	5·88	Year's Total 29·13	✓ GB
* Days with .01 in. or more.	14	13	22	16	11	19	12	11	11	12	13	26	180	✓
* Days with .04 in. or more.	11	11	17	13	9	14	9	8	8	~~9~~10	8	20	13~~7~~8	✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

X Amble U.D.C. X

X A

Section **A** fo

A RAINFALL ORGANIZATION.

Station No. 3592/4/5

FORM 1090.

RAINFALL IN 1937. 5

Kept at AMBLE.

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 11.50 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	–	·28	–	–	·14	–	–	·10	·04	–	·13		1
2	–	·12	–	·08	–	·07	–	–	–	TR	–	·27		2
3	·01	·08	–	·05	–	·13	·79	–	–	–	–	·13		3
4	·05	–	·08	–	–	·04	·01	–	–	–	–	·16		4
5	–	–	·05	–	·17	TR	·04	–	·16	–	–	·48		5
6	–	–	·04	·07	·02	–	–	–	·01	–	·12	·07		6
7	–	·04	–	·12	·04	·07	·12	–	–	TR	·21	·54		7
8	–	·50	·06	·02	–	–	·07	–	–	–	·04	·43		8
9	–	–	·24	·12	–	·03	·25	·16	–	–	·16	·12		9
10	–	–	·04	TR	·06	·01	·04	–	–	–	·35	·27		10
11	–	–	·42	·02	–	·05	–	–	–	–	TR	·79		11
12	·07	·28	·71	·06	–	·04	–	–	·06	–	·01	·23		12
13	–	·06	·08	·01	·04	·02	·03	·40	·04	–	TR	·62		13
14	–	–	·01	TR	–	·30	TR	·53	·01	–	–	·59		14
15	·06	·42	–	·30	–	–	·01	–	·12	–	·01	·15		15
16	·03	·02	·48	·53	–	·03	–	·03	·01	–	·03	·39		16
17	·15	–	·13	·05	·01	·08	–	·01	·70	–	–	·15		17
18	–	·04	·07	–	–	·14	TR	·13	–	–	·03	–		18
19	–	·01	·03	·04	–	·07	–	·01	TR	–	·12	–		19
20	·03	–	·08	·10	1·30	–	–	–	–	·01	–	·06		20
21	TR	–	·01	·08	0·22	–	·21	–	–	·09	–	·11		21
22	·05	–	·15	–	TR	·06	TR	–	–	·06	TR	·02		22
23	·21	–	·01	–	·07	·04	–	–	–	·67	·02	·01		23
24	·28	–	–	–	·12	–	·22	–	·07	·18	–	–		24
25	–	·36	–	–	–	–	–	·07	–	·28	–	TR		25
26	–	·19	·32	–	·61	–	–	–	TR	–	–	–		26
27	·31	·62	·12	·04	–	–	·11	–	–	·39	TR	·01		27
28	·14	–	·02	–	–	·01	–	–	–	·10	–	·03		28
29	·24	✕	–	–	–	–	–	·13	–	·05	·05	·09		29
30	–	✕	–	–	–	·05	–	·36	·05	·02	·07	·02	print	30
31	·94	✕	–	✕	–	✕	–	·27	✕	·34	✕	·01		31
TOTAL	2·57	2·74	3·43	1·69	2·66	1·38	1·90	2·10	1·33	2·23	1·22	5·88	Year's Total 29·13	✓ GB
* Days with .01 in. or more.	14	13	22	16	11	19	12	11	11	12	13	26	180	✓
* Days with .04 in. or more.	11	11	17	13	9	14	9	8	8	~~9~~10	8	20	13~~7~~8	✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) X Amble U.D.C. X [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3590/4/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1938.

Kept at AMBLE

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. — in.

,, Ground ,, Sea Level 11.50 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	TR	·03	—	—	—	·85	·08	—	·16	—	TR.	·12		1
2	·10	—	—	—	—	·33	·28	—	·05	·22	—	·04		2
3	·10	—	—	—	—	·03	·03	—	·11	·63	·10	—		3
4	·19	—	—	—	—	—	·20	TR	—	·07	·07	·43		4
5	—	·03	TR	TR	—	—	·16	·03	·07	·01	—	—		5
6	·06	—	—	—	—	TR	·12	·15	·04	·06	·05	—		6
7	TR	—	—	—	—	—	·43	·15	·06	·02	·05	—		7
8	·15	—	—	—	—	—	·04	·02	—	·46	·43	·20		8
9	·67	—	—	—	·17	·07	TR	—	—	—	—	·28		9
10	·01	·04	—	—	—	·26	TR	—	·05	—	—	·04		10
11	·02	—	—	—	—	·02	·04	—	—	TR	·07	·06		11
12	·10	·07	—	—	·05	—	·01	·05	—	·15	·18	—		12
13	·04	·19	—	—	·03	—	·03	·02	·13	TR	·04	·12		13
14	·20	·01	—	—	·05	—	—	—	—	—	—	·06		14
15	·06	·06	TR	—	·02	—	·05	·22	—	·01	—	·32		15
16	·24	TR	—	—	TR	—	·06	TR	·36	·06	·01	·23		16
17	—	—	—	—	·52	—	TR	·01	TR	·50	—	TR		17
18	TR	·06	—	—	·03	·11	—	—	TR	·04	·23	·07		18
19	—	—	TR	—	·10	TR	—	·03	·02	—	—	·22		19
20	—	—	·27	—	—	—	—	·02	·16	—	·10	·15		20
21	—	—	·01	—	—	—	—	·14	—	—	·05	·05		21
22	—	—	·14	TR	—	—	—	—	—	—	·22	·10		22
23	—	—	—	·06	·04	·16	—	TR	TR	—	·09	·13		23
24	—	—	—	TR	·05	·01	·07	·87	·24	·26	—	·12		24
25	—	·01	TR	TR	·10	—	·16	·07	—	·23	·13	·13		25
26	—	·17	·02	—	·04	·05	—	—	—	·09	—	—		26
27	·10	TR	—	·01	·20	·05	·25	·18	·02	·05	·01	·07		27
28	·09	—	—	·02	·38	·21	—	—	·12	—	—	·01		28
29	—	—	—	·04	·27	—	—	·08	—	—	·11	—		29
30	·10	✕	—	—	TR	—	TR	·07	·52	—	·05	—		30
31	·06	✕	—	✕	·33	✕	—	—	✕	·07	✕	·47		31
TOTAL	2·29	0·67	0·44	0.13	2·38	2·15	2·01	2·11	2·11	2·93	1·99	3·42	Year's Total 22·63	
* Days with .01 in. or more.	17	10	2	1	16	12	16	16	15	17	18	22	162	
* Days with .04 in. or more.	15	6	2	3	13	9	13	10	13	14	16	21	135	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) W. Burton. Surveyor. [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 359014/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at AMBLE.

in the County of NORTHUMBERLAND.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 11.50 ft.

Letter sent 17/2/40 ref April & May estimates

April estimated from neighbg stns.

May 1st–15th ..

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·87	–	·10		–	–	–	–	·27	·17	–	·05		1
2	·17	–	·02		–	–	·01	·54	·19	·05	·03	–		2
3	–	–	·03		–	–	·06	·31	·11	–	·08	·03		3
4	·11	–	·25		–	–	·09	–	–	·02	·31	·01		4
5	–	–	·03		x	–	·23	·17	–	·10	·33	·10		5
6	·20	–	·02		–	–	·25	–	–	·08	·01	·02		6
7	–	–	·01		(·60) x	–	·05	·19	–	·17	–	·03		7
8	·30	·11	·02		no Raingauge	–	·10	·23	–	–	–	·42		8
9	–	·04	–			–	·19	·17	·01	·58	–	·06		9
10	·03	–	·03			–	–	–	·43	·09	–	–		10
11	·22	·01	·31		x	·04	–	·02	·05	·90	–	·03		11
12	–	–	–		–	·01	TR	–	TR	·33	–	–		12
13	–	·01	·04		–	TR	·18	–	·02	·20	·03	–		13
14	·66	–	·06		x	·20	·15	–	–	·15	·01	·04		14
15	·06	·03	–		x	1·03	TR	–	–	·03	–	·06		15
16	·05	–	·04	no Raingauge	·08	–	–	–	–	–	–	–		16
17	·41	–	–		·05	TR.	–	–	–	–	·03	–		17
18	·30	TR	·05		–	·08	·07	–	–	·11	·30	–		18
19	·17	–	–		·01	·29	–	–	–	–	–	·01		19
20	–	–	·02		·01	–	·02	–	–	–	–	–		20
21	·08	·13	TR		–	–	–	·11	·05	–	–	–		21
22	·23	·31	–		–	–	·02	–	–	–	·02	–		22
23	·02	·08	–		–	·07	–	–	·01	–	–	–		23
24	–	·01	·04		·03	·10	–	·01	–	·04	·01	–		24
25	·21	–	·05		–	–	–	–	–	·25	·02	·14		25
26	·26	–	·02		–	·06	–	·38	–	·32	·03	·01		26
27	–	·10	·72		–	·14	·02	·25	–	·07	–	·01		27
28	·07	·14	·30		–	·09	·07	–	–	–	·25	·11		28
29	·01		·04		–	–	·33	–	–	·05	–	·01		29
30	–	✕	–		–	·10	·03	·17	·13	·02	·34	–		30
31	–	✕	·02	✕	–	✕	·08	–	✕		✕	–		31
TOTAL	4·43	0·97	2·22	(·90)	(·78)	2·21	1·95	2·55	1·27	3·78	1·80	1·14	Year's Total 24·00	Print
* Days with .01 in. or more.	20	11	22	(14)	(10)	12	18	12	10	21	15	17	(182)	WH.
* Days with .04 in. or more.	17	8	12	(8)	(4)	11	13	10	7	18	6	8	(122)	

† Spare column, no entries required.

*See Instruction 3 (f) on other side.

(Signed) W. Burton Surveyor

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590/4/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at AMBLE

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 11·50 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·03	–	–	–	–	·01	–	–	–	·08	·03		1
2	·04	–	–	·03	–	–	·06	–	–	–	·42	·06		2
3	·01	·14	–	·12	–	–	·12	–	–	·04	–	–		3
4	–	·38	–	·09	–	–	·15	–	–	·09	·12	·13		4
5	–	·02	–	·01	·28	–	·07	·10	–	·07	·19	·11		5
6	·07	·03	–	–	–	–	·03	–	–	·16	·33	·33		6
7	·09	·20	–	–	·01	–	·07	·03	–	·01	–	·20		7
8	–	–	·04	·02	–	·03	·02	·21	·12	·15	·06	·04		8
9	–	–	·29	·03	–	–	·25	·04	–	·13	·30	–		9
10	–	–	·01	–	–	–	1·12	·02	–	–	·18	–		10
11	–	·13	·53	–	–	–	·22	–	·23	–	·40	·03		11
12	–	–	·57	–	·01	–	–	–	·10	–	–	–		12
13	–	·17	·02	–	–	–	·91	–	–	–	–	·06		13
14	–	·10	·02	–	–	–	1·27	–	·04	–	–	·25		14
15	·07	–	–	–	·09	·11	–	–	–	–	·28	–		15
16	·03	–	·01	–	–	–	·57	–	1·07	·19	·07	–		16
17	–	–	·09	–	–	–	·85	–	·09	·08	·20	–		17
18	–	–	·21	–	–	–	·01	·03	·03	–	·19	·06		18
19	–	–	·04	·06	–	–	·02	·01	·10	–	·17	·07		19
20	–	·07	–	·11	–	–	TR	·29	–	–	–	–		20
21	·41	–	·05	·07	–	·28	–	·05	–	·29	–	–		21
22	–	–	·02	·01	·05	·02	·02	·02	·13	·08	–	–		22
23	–	–	·14	·15	·03	–	·09	–	–	·03	–	·01		23
24	·09	–	–	·03	–	–	·05	–	·01	·14	–	·09		24
25	–	–	–	–	·01	·05	·06	–	–	·01	–	–		25
26	·35	·13	–	·02	·24	–	·24	·16	·09	·21	–	–		26
27	·01	·23	·02	–	–	–	–	–	–	·27	–	·04		27
28	·02	·08	·02	·03	–	–	–	·17	–	·01	–	–		28
29	·08	–	·25	·02	–	·04	–	–	–	·24	·15	·23		29
30	·18	✕	–	–	·02	–	–	–	–	·17	–	·62		30
31	·54	✕	·11	✕	·02	✕	–	–	✕	·20	✕	·12		31
TOTAL	1·99	1·71	2·44	0·80	0·76	0·53	6·21	1·13	2·01	2·37	3·14	2·48	Year's Total 25·57	✓
* Days with .01 in. or more.	14	13	18	15	10	6	22	12	11	20	15	18	174	✓
* Days with .04 in. or more.	10	10	11	6	4	4	16	7	9	16	15	15	123	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) W. Barton, Surveyor.
Amble U.D. Council

P.T.O.

3590/5

Section **A** for the entry of D

AIR MINISTRY.

FORM 1090.

REGIST

Kept at Callaly Cast

in the County of Northu

Diameter of Funnel of Gauge 5

Height of top of Gauge above Ground

,, Ground ,, Sea Lev

THE MORNING MEASUR

An observer who does not conform to th

year in the space on the right of this

P

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3590/5

WITTINGHAM, CALLALY CASTLE

1931 — 40

7P0702

FOR OFFICIAL USE.

ORGANIZATION. N 12

Cu A.

N'land /5.

ving

Jan. 1, following

Date	Jan.	Feb.	March	A							Nov.	Dec.	*Date*
	in.	in.	in.								in.	in.	
1	—	.27	.10	—	—	.38	—	—	—	—	—	—	1
2	—	.10	.33	—	.04	.03	—	.11	.77	.02	—	—	2
3	—	.07	—	.55	—	.65	—	—	—	—	.87	.31	3
4	—	—	—	—	—	.05	—	—	.17	—	—	.23	4
5	—	—	—	—	—	.03	—	—	1.10	—	—	.06	5
6	—	—	.20	—	.08	.10	.16	.26	—	—	—	.30	6
7	—	.27	—	—	.04	1.00	.03	.28	.08	—	—	—	7
8	—	—	.25	—	.14	.15	—	—	—	—	.50	.01	8
9	—	.06	—	—	.15	.28	.93	.25	—	—	—	—	9
10	.25	.10	—	—	.18	.19	.03	.15	—	.32	.30	.05	10
11	—	—	.31	—	—	.10	.07	—	.16	—	.04	—	11
12	—	.19	—	—	—	—	—	—	—	.02	—	—	12
13	—	—	—	—	—	.10	.21	.18	—	—	—	—	13
14	—	—	.09	—	.05	—	—	—	—	—	—	—	14
15	—	.10	—	—	.08	.88	.03	.14	—	—	.22	.09	15
16	—	—	—	.27	—	.06	—	.10	—	—	—	.04	16
17	—	.37	—	.09	.07	—	.12	.20	.12	—	—	—	17
18	—	.21	—	.41	—	.03	.22	1.00	—	.05	—	—	18
19	.50	—	—	.09	—	.18	.10	.48	—	—	.52	—	19
20	—	—	—	—	—	—	.33	—	.10	—	—	—	20
21	—	—	—	—	—	—	—	.20	—	—	.04	.02	21
22	—	—	—	.04	—	—	—	.20	—	—	—	—	22
23	.22	.07	—	.24	.11	—	—	—	—	—	—	—	23
24	.20	—	—	.15	.22	.24	.06	.02	.03	.22	.60	—	24
25	—	.05	—	.24	.44	—	—	—	.01	.12	.10	—	25
26	—	—	—	.76	—	—	.10	—	—	—	—	—	26
27	—	—	—	.20	—	—	.07	—	—	—	.47	—	27
28	.07	.09	—	.15	—	—	—	—	—	.05	.23	—	28
29	.21	—	—	—	.43	—	.11	—	—	—	.03	—	29 "d"
30	.55	×	—	—	—	—	—	—	—	.36	.07	.53	30
31	—	×	—	×	.21	×	—	—	×	—	×	—	31
TOTAL	2.00	1.95	1.28	3.19	2.24	4.45	2.57	3.57	2.54	1.16	3.79	1.64	YEAR'S TOTAL 30.58
*Days with ·01 in. or more.	~~7~~	~~13~~	~~6~~	~~12~~	~~14~~	~~17~~	~~15~~	~~14~~	~~9~~	~~8~~	~~13~~	~~10~~	~~138~~
*Days with ·04 in. or more.	7	13	6	12	14	14	12	13	7	6	12	8	124

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N

(Signed) A. H. Nicholson [P.T.O.

E.J. FARMER ESQ

*See Instruction 2 (*f*) on other side.

Section A for the entry of FOR OFFICIAL USE.

3590/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION. N°2

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Cu A.
N'land /5.

Kept at Callaly Castle, Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 inches

Height of top of Gauge above Ground one ft. in.

,, Ground ,, Sea Level 300 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	.27	.10	—	—	.38	—	—	—	—	—	—	1
2	—	.10	.33	—	.04	.03	—	.11	.77	.02	· —	—	2
3	—	.07	—	.55	—	.65	—	—	—	—	.87	.31	3
4	—	—	—	—	—	.05	—	—	.17	—	—	.23	4
5	—	—	—	—	—	.03	—	—	1.10	—	—	.06	5
6	—	—	.20	—	.08	.10	.16	.26	—	—	—	.30	6
7	—	.27	—	—	.04	1.00	.03	.28	.08	—	—	—	7
8	—	—	.25	—	.14	.15	—	—	—	—	.50	.01	8
9	—	.06	—	—	.15	.28	.93	.25	—	—	—	—	9
10	.25	.10	—	—	.18	.19	.03	.15	—	.32	.30	.05	10
11	—	—	.31	—	—	.10	.07	—	.16	—	.04	—	11
12	—	.19	—	—	—	—	—	—	—	.02	—	—	12
13	—	—	—	—	—	.10	.21	.18	—	—	—	—	13
14	—	—	.09	—	.05	—	—	—	—	—	—	—	14
15	—	.10	—	—	.08	.88	.03	.14	—	—	.22	.09	15
16	—	—	—	.27	—	.06	—	.10	—	—	—	.04	16
17	—	.37	—	.09	.07	—	.12	.20	.12	—	—	—	17
18	—	.21	—	.41	—	.03	.22	1.00	—	.05	—	—	18
19	.50	—	—	.09	—	.18	.10	.48	—	—	.52	—	19
20	—	—	—	—	—	—	.33	—	.10	—	—	—	20
21	—	—	—	—	—	—	—	.20	—	—	.04	.02	21
22	—	—	—	.04	—	—	—	.20	—	—	—	—	22
23	.22	.07	—	.24	.11	—	—	—	—	—	—	—	23
24	.20	—	—	.15	.22	.24	.06	.02	.03	.22	.60	—	24
25	—	.05	—	.24	.44	—	—	—	.01	.12	.10	—	25
26	—	—	—	.76	—	—	.10	—	—	—	—	—	26
27	—	—	—	.20	—	—	.07	—	—	—	.47	—	27
28	.07	.09	—	.15	—	—	—	—	—	.05	.23	—	28
29	.21	—	—	—	.43	—	.11	—	—	—	.03	—	29 "d"
30	.55	×	—	—	—	—	—	—	—	.36	.07	.53	30
31	—	×	—	×	.21	×	—	—	×	—	×	—	31
TOTAL	2.00	1.95	1.28	3.19	2.24	4.45	2.57	3.57	2.54	1.16	3.79	1.64	YEAR'S TOTAL 30.58
*Days with ·01 in. or more.	~~7~~	~~13~~	~~6~~	~~12~~	~~14~~	~~17~~	~~15~~	~~14~~	~~9~~	~~8~~	~~13~~	~~10~~	~~138~~
*Days with ·04 in. or more.	~~7~~	~~13~~	~~6~~	~~12~~	~~14~~	~~14~~	~~12~~	~~13~~	~~7~~	~~6~~	~~12~~	~~8~~	~~124~~

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*See Instruction 2 (*f*) on other side.

N X (*Signed*) A. H. Nicholson [P.T.O.

E.J. FARMER ESQ X

35905

Section **A** for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Callaly Castle Gardens
in the County of Northumberland
Diameter of Funnel of Gauge 5 inches
Height of top of Gauge above Ground one ft .... in.
,, Ground ,, Sea Level .... ft.

Oct/2" high

f 150639/31.

Total [illegible]

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1							.55	.32				.04	1
2	.02			.10					.10	.150	.05	.17	2
3	.09				.28		.08		.44	.09	.03	.18	3
4	.03	.01		.11		.01			.13	.21	.05		4
5	.01				.10		.41			.07		.06	5
6			.07	.02	.17				.09			.05	6
7	.05				.02				.05	.02			7
8			.36	.03	.07				.19	.01			8
9		.07	.10	.09					.24	.76	.02		9
10	.52	.10		.40	.28				.15	.05		.24	10
11		.10	.07	.11	.01				.10	.21		.10	11
12		.03		.02	.26	.13	.32	.02					12
13	.17				.12	.02				.20	.07		13
14	.13	.09		.27	.08				.11	.07		.14	14
15	.05			.14			.01	.11		.05	.02		15
16	.16				.11					.02	.17	.02	16
17	.42		.04									.30	17
18					.04		.10	.03		.57	.08	.40	18
19					.04								19
20			.09	.07	.05					.22			20
21			.26	.08	.05			.22		.14		.07	21
22			.27		.25			.42		.88			22
23			.43	.21			.14			.01	.15	.01	23
24		.10		.22			.16		.07				24
25		.10		.05	.10		.15		.22				25
26		.05						.05		.13	.07		26
27		.01			.19		.05		.83	.07	.06		27
28			.60	.20	.05	.50	.35			.39			28
29				.07	.36	.11				.39			29
30		×	.41		.05		.14	.22	.01	.14	.14	.15	30
31		×	.05	×		×	.09	.14	×	.37	×		31
TOTAL	1.65	.66	2.75	2.19	2.68	.77	2.55	1.53	2.73	6.57	.91	1.93	YEAR'S TOTAL 26.92
*Days with ·01 in. or more.	11	10	12	17	21	5	13	9	14	24	12	14	162
*Days with ·04 in. or more.	8	7	12	14	19	3	12	7	13	20	9	12	136

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(Signed) Alfred M. Nicholson [P.T.O.

*See Instruction 2 (*f*) on other side.

3590/5

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. **Station No.** ~~3590~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Callaly Castle Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 inches

Height of top of Gauge above Ground 1 ft ...... in.

,, Ground ,, Sea Level 300 ft.

Total ✓ Days ✓

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·02	·22			·19			·05	·04	·06			1
2	·02	·02			·03					·01	·07	·06	2
3	·25		·36			·23					·117	·08	3
4	·01	·02	·27		·05					·01	·69		4
5	·11	·05	·09		·03								5
6	·04				·12			·75					6
7		·15	·05								·01	·14	7
8	·05	·24			·30					·65		·03	8
9			·02	·05	·15	·07		·02				·14	9
10		·22				·10	·08			·16	·02	·13	10
11	·02	·03				·12				·01	·17	·04	11
12					·14			·07		·10		·03	12
13					·21	·16						·23	13
14			·04		·08		·51	·04	·03		·05		14
15			·01		·08		·20				·21	·39	15
16	·15		·09	·04		·06	·16	·02		·12	·27		16
17			·03		·08	·09	·09	·01			·09		17
18	·35	·13		·18	·01	·07		·04	·04		·38		18
19		·20	·20	·19		·10	·34	·03			·65	·02	19
20		·11	·04			·03	·22				·09		20
21		·05			·32				·65	·03	·02		21
22				·01		·07		·01	·05	·09	·10		22
23		·03					·01		·25	·80		·01	23
24		·05				·19			·21	·08	·15		24
25		·40		·30	·11		·10		·12	·09	·03	·04	25
26		·127		·23	·03				·55	·59	·05		26
27		·135		·15	·07				·01	·14	·07	·08	27
28		·05			·06		·25			·30	·29	·07	28
29	·07			·01			·14	·96	·04	·56	·03	·10	29
30		×		·22			·19	·04		·26		·03	30
31	·02	×		×		×	·10		×		×	·05	31
TOTAL	1.11	4.59	1.20	1.38	2.06	1.29	2.39	2.04	1.99	4.06	4.61	1.67	YEAR'S TOTAL 28·39
*Days with ·01 in. or more.	12	18	11	10	18	12	13	12	11	18	21	18	174
*Days with .04 in. or more.	7	14	8	8	14	11	12	7	9	14	16	13	133

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*See Instruction 2 (*f*) on other side.

(*Signed*) A. H. Nicholson

P.T.O.

Section A for the entry of Daily Observations. FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934. 3590/5

Kept at Callaly Castle: Gardens
in the County of Northumberland
Diameter of Funnel of Gauge 5 inches
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 300 ft.

Totals & Days
ok

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.15	.10								.06			1
2	.10			.01				.48	.07				2
3		.01	.04					.24			.07	.25	3
4		.07							.14	.05	.14	.09	4
5	.04		.01	.05							.27	1.56	5
6			.27	.07	.03	.03				.05	.42	.11	6
7	.08			.26	.41	.10		.84	.03	.09	.86	.32	7
8	.02	.11		.16	.09	.05				.09	.02	.12	8
9			.19		.09			.02	.02	.20		.04	9
10			.01	.77					.01	.02	.76	.02	10
11			1.00	.57				.53			.80		11
12	.06		1.15	1.02							.13	.02	12
13	.02		1.12	.49	.16		.03	.34			.15	.13	13
14	.32		.02	.07	.02	.01	.72	.05		.02	.01		14
15	.30		.42		.01		.12		.01	.01	.07	.16	15
16			.02	.03	.26			.02	.11	.77	.15	.12	16
17	.17		.35		.04					.06	.14		17
18	.10		.11		.08		.41		.35	.07	.06	.25	18
19	.50				.03	.02	.20	.04				.04	19
20			.14	.32	.05	.05	.02		.09		.10	.05	20
21			.12		.03	.20		.30					21
22						.95		.34	.06	.01			22
23				.05		.59	.03	.05	.19	.07	.01	.10	23
24			.11	.20			.18	.12			.01	.19	24
25		.02		.04	.02	.01				.60		.15	25
26	.03	.01		.09						.21		1.41	26
27	.01			.33		.11	.04		.14	.35		.06	27
28		.62		.44		.13	.02		.03	.19		.22	28
29				.31			.04	.37		.03		.20	29
30		×	.15				.17	.34	.32	.29		.03	30
31	.05	×	.05	×		×	.01		×	1.35	×	.02	31
TOTAL	1.95	.94	5.28	5.28	1.32	2.25	1.99	4.08	1.57	4.59	4.17	5.66	YEAR'S TOTAL 39.08
*Days with ·01 in. or more.	15	4	18	19	14	12	13	15	14	21	18	24	190 ✓
*Days with ·04 in. or more.	11	4	14	17	8	8	8	13	9	16	14	20	142

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(Signed) Mr A. H. Nicholson [P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3590/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Observer agrees to amendments CR

Kept at Callaly Castle Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 inches

Height of top of Gauge above Ground 1 feet in.

" Ground " Sea Level ft.

f150659/31

ALH

Send query on totals

Query sent 17/4/36 CHR

Check all totals

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: (·30)

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	02	01	02				17			42	07	57		1
2	32		57	10			13		24	04		06		2
3	01		19	03		20			05	83	01			3
4		07	15	08		30	01				16			4
5			07			30			02	26	09			5
6	33	05	02	02		27			10	03	04			6
7	08		02			23			02	20	03			7
8	30			22		14				07	24	02		8
9			01	25		07				02	04	01		9
10	02	05		26						15	40	08		10
11		02		25		09				04	17			11
12	22	02		01		05		44			05	07		12
13		02			01	34						01		13
14	10	01		10	21	10	22		06	02		04		14
15			12	11		05				02	17	11		15
16		12		23	15	11		07	08	10	03	04		16
17		19	05	37	69	49	05	20	1.20	06	30	36		17
18			01	41	08	05	03	22	06	08	1.31	17		18
19	06	01				11	08	02	16	19	06	05		19
20	02	17		03		16	30		02	02				20
21		08		30		10					02			21
22		05	09	66					45	30	09			22
23		32	09	33					05		05			23
24	02			06				05		13		(·30)		24
25	06	29	08	03					15			37		25
26	09	06				02					01	17		26
27	16			04	01	07		1.36	29	17	03	×		27
28	23	17				02	01	02	09	27	06			28
29	03		04					01	05	16	04	(·15)		29
30		×	23			06		01	12	07				30
31	·01	× ·02	0·1	×		× ·17		1.28	× ·47	33 ·02	× ·57	(·30)		31
TOTAL	2·06 ~~207~~	1·72 ~~171~~	1·75 ~~177~~	389	115	3·50 ~~333~~	·83 ~~100~~	368	3·68 ~~321~~	3·57 ~~[illegible]~~	3·97 ~~[illegible]~~	2·37 ~~[illegible]~~	Year's Total ~~3108~~	✓32·11
*Days with ·01 in. or more.	17	18	16 17	21	6	23 ~~22~~	8 ~~9~~	11	19 ~~18~~	24	23	17 ~~18~~	203 ~~201~~	✓
*Days with .04 in. or more.	11	12	11	16	4	21 ~~20~~	5 ~~8~~	7	16 ~~15~~	19	17	14 ~~12~~	153 ~~150~~	✓

40-9999

*See Instruction 2 (*f*) on other side. E. J. Farmer Esq

† Spare column, no entries required.

(Signed) Alfred G. Nicholson [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3590/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Callaly Castle Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in in.

Height of top of Gauge above Ground 1 ft. in.

" Ground " Sea Level ft.

Totals ✓
Days ✓

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	36	02	36			09	08	31	36		04			1
2	09	58	05			05	03	02	07	01	01	06		2
3		02				165	06	05	34			01		3
4	43		01		01	03		22	10	05	05			4
5	28				04				06		04			5
6	25			01			04	48	37		19			6
7	07		06		03		26		05		10	01		7
8	21		07				02			11	15			8
9	57		69			05	03		17	07	32	01		9
10	14			11			01			01	02			10
11				26		04	05	09	05	01	104	02		11
12				31	02	02	05	18	60		38	03		12
13	02			25			32			10	05	63		13
14				36		24		02	33		01	32		14
15				31	24	10	13	04	01	01	10			15
16	10		01	02		03				02	15	01		16
17	20	37		02	06	03	42			09	90	13		17
18		18		07			04		03	11		06		18
19	74	20		04			11			02		01		19
20	36	14	01	01			17			01		05		20
21	13	07					01					05		21
22		29	02		11	06								22
23		07		11	04		47							23
24	03	34	02		72					36				24
25	21		08	01	02		08		80	01		01		25
26	05	07	16				04		15	14				26
27	03				01					01				27
28	09	65	11				11		16		01			28
29	65	67	32		10	65	15			16		01		29
30	02	✕	06		07	02	14			15				30
31	02	✕	16	✕	17	✕			✕	01	✕	02		31
TOTAL	505	367	219	189	164	306	282	141	365	146	356	144	Year's Total 31·84	✓
* Days with .01 in. or more.	23	14	16	14	14	14	23	9	16	20	17	17	197	✓
* Days with .04 in. or more.	18	12	11	9	9	9	18	7	14	10	13	7	137	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) A. H. Nicholson [P.T.O.

COPY FOR OFFICIAL USE.

File — 150659/31

Section **A** for the entry of Daily Observations. Station No.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

3598/5 station no.

Kept at Callaly Castle, Gardens
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level ft.

Dup

JP.

Totals

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	06	02	31			15			56	04	01	07		1
2	02	12	01	20		10			01	01		24		2
3		20	01	10	17	15	55					20		3
4	17	01	13	01		02	02	21	02			09		4
5	02		15	01	19		09		12			30		5
6			13	03	04				07	02	10	07		6
7		19	20	13	02	02	44		05		14	50		7
8		53	11				16				06	38		8
9			24	21			22	09			04	25		9
10		02	15	01	09		22				21	29		10
11			70			10						67		11
12	20	35	83	05				01	02	01	01	25		12
13		04	37	11	09	03	02	03	05			50		13
14			07	01	01	35	01	52	01			51		14
15	19	45		33			36					20		15
16	05	06	66	33					19		09	35		16
17	24	02	23	02	05	05		10	1.21					17
18		04	02			04		11			08			18
19		04		04		05		02	08		27			19
20	05	25	13	32	1.30	02	02		06	04	01			20
21	04		03	08	62		25			08		17		21
22	05		15		06			04		07		03		22
23	26		01		05	04	26			89	06	01		23
24	28	02	01		06				05	19	01	01		24
25	17	60			07			06		27				25
26	10		03		52						02			26
27	01	75		08			03			45		01		27
28	24	05								10		02		28
29	41					03		60		12		16		29
30	75	✕				05		75	04	01		03		30
31	51	✕		✕		✕		29	✕	48	✕			31
TOTAL	382	376	468	212	334	120	265	283	254	278	111	531	Year's Total 3614	✓
* Days with .01 in. or more.	20	19	23	18	15	15	14	13	15	15	14	24	205	✓
* Days with .04 in. or more.	17	14	16	13	13	10	9	10	11	11	9	18	151	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Mrs. A. H. Nicholson [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Callaly Castle Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level — ft.

Day/Totals ✓ wesR.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		06				136			—	—	·16	·08		1
2	03					50	19	—	·05	·50	·03	·06		2
3	11			04		03	02	—	·20	·92	·14	—		3
4	05			01			20	—	—	·19	·03	·36		4
5		05					04	—	·05	·03	—	—		5
6	05					05	25	·21	·02	·23	—	—		6
7							60	·29	·06	·09	·15	—		7
8	30						10		—	·50	·89	·18		8
9	71	03			14	12			—	·06	—	·60		9
10						18			·01	—	—	·06		10
11	03					06	08		—	·01	·03	·10		11
12	19	05			11		02		—	·14	·42	—		12
13	02	20			01		04		·18	—	·03	·12		13
14	34				03				—	—	—	·08		14
15	11	08	12		01		03		·02	—	—	·43		15
16	27	07			12		/		·13	·12	·01	·20		16
17					34		/	·81	·02	·34	—	·04		17
18	01	05	01		05	25	/	·08	·30	·21	·34	·07		18
19		01	20		04	08	/	·03	·06	—	—	·09		19
20			44		01		/	·21	·10	—	—	·33		20
21				01	03		/	·04	—	—	·09	·16		21
22					03		/	·14	/	—	·37	·19		22
23				01	11	17	/	/	·01	—	·25	·09		23
24	02			04	03		/	/	·04	·48	·02	·15		24
25			02		07		/	·38	—	·21	—	·20		25
26		33			·05	04	·76	·07	—	·17	—			26
27	05	01			26	14	/	/	·03	·12	—	·04		27
28	15			02	52	24	·34	·08	·18	—	·08	·08		28
29				02	13		—	·37	—	—	·27	—		29
30	12	✕					—	·08	·46	·01	·09	·42		30
31	19	✕		✕	40	✕	—	·02	✕	·05	✕	·49		31
TOTAL	2·45	·94	·79	·15	2·39	3·17	2·87	2·80	1·92	4·54	3·40	4·83	Year's Total 30·55 ✓	
* Days with .01 in. or more.	18	11	5	7	20	13	13	14	18	19	18	24	180 ✓	
* Days with .04 in. or more.	13	8	3	2	13	11	10	11	12	16	12	24	135 ✓	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) G. Knox, Head Gardener

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3590/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Callaly Castle Gardens

in the County of Whittingham Northumberland

Diameter of Funnel of Gauge Same as previous in.

Height of top of Gauge above Ground ...... ft. ...... in.

,, Ground ,, Sea Level ...... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·65	—	·16	—	—	—	·02	—	·14	·41	·13	·89		1
2	·49	—	—	·08	—	—	—	·21	—	·02	·11	—		2
3	·08	—	—	·08	—	—	—	·04	·35	—	·08	·11		3
4	—	—	·35	—	—	—	·14	—	—	·04	·42	—		4
5	—	—	·05	—	·22	—	·20	·35	·47	·53	·49	—		5
6	·40	—	·12	—	—	—	·35	—	—	·18	·04	—		6
7	·35	—	·10	—	—	—	·01	—	—	·10	—	·25		7
8	·28	·26	·25	·09	—	—	·14	·09	—	·05	—	·15		8
9	·04	·07	—	—	—	—	·35	·18	·02	1·30	·13	—		9
10	—	—	—	—	—	—	—	—	·08	·16	—	·48		10
11	·36	·08	·39	—	—	·07	—	—	·32	·18	·05	—		11
12	—	—	—	—	—	·02	·12	—	—	·88	—	—		12
13	—	—	·08	—	·69	—	·04	—	—	·30	·07	·10		13
14	·83	—	·12	—	·17	·29	·17	—	—	·27	·14	—		14
15	·06	·02	—	—	·01	·35	—	—	—	·06	—	·02		15
16	·32	·03	·10	—	·22	—	—	—	—	—	—	—		16
17	·55	·03	—	·06	·09	—	—	—	—	—	—	—		17
18	·70	—	·18	—	—	·06	—	—	—	·03	—	—		18
19	·20	—	·07	—	·01	·36	—	—	—	—	·35	—		19
20	·01	—	—	—	—	·03	—	—	—	—	—	·15		20
21	·18	·12	—	·16	—	—	—	—	·06	—	·21	—		21
22	·25	·56	·04	—	—	—	—	—	—	—	—	—		22
23	·15	·23	·05	—	—	·15	—	—	—	—	—	—		23
24	—	·09	·23	·28	·26	·16	—	—	—	—	—	—		24
25	·38	·02	·09	·09	—	—	—	·02	—	·08	·26	—		25
26	·20	·05	·89	·08	—	·02	·02	·29	—	1·00	—	—		26
27	·09	·18	·51	·03	—	·13	—	·51	—	·26	—	·09		27
28	—	·12	·16	·18	—	·04	·27	·01	—	—	·18	—		28
29	·05	X	·01	—	—	—	·45	—	—	·15	·30	—		29
30	·03	✕	—	·04	—	·08	·03	—	—	·09	—	—		30
31	—	✕	·05	✕	—	✕	·32	—	✕	—	✕	—		31
TOTAL	6·75	1·86	3·81	1·17	1·67	1·76	2·83	1·40	1·44	6·09	2·66	1·64	Year's Total 33·38	✓ d
* Days with .01 in. or more.	~~23~~	~~14~~	~~21~~	~~4~~	~~8~~	~~13~~	~~15~~	~~9~~	~~7~~	~~20~~	~~15~~	~~9~~	~~165~~	✓
* Days with .04 in. or more.	21	10	20	10	6	10	11	7	6	18	15	8	142	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) G. Knox Head Gardener

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 359?/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40.

Kept at Callaly Castle Gardens

in the County of Northumberland

Diameter of Funnel of Gauge Same in.

Height of top of Gauge above Ground 20 ft. in.

,, Ground ,, Sea Level Previous ft.

Dec. add'd f. map & nearly [illegible] -

Inc. 1st Dec. Show

Days.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—			/	—				—					1
2	—		·08	/	—				·05					2
3	—	·40	—	·25	—				—					3
4	—	·40	·02	—	—				—					4
5	·06	—	·15	—	·12				—					5
6	—	/	—	—	·17				—					6
7	·54	·30	·25	·06	—		·75		—					7
8			·05		—		—	·05	—	·58				8
9			—				·47		—	·50				9
10			·25				·98		—	—	2·25			10
11			·15				·25		·17	—				11
12			—				—	·21	—	—				12
13			·08				—		·13	—				13
14			—				2·25		—	—				14
15			·15				—		—	—	·95			15
16			—			·65	·23			·38	·30			16
17			—				·87			—	·20			17
18			·25				—			—	·12			18
19			/				·20			—				19
20			/				—	·20		—				20
21			/				·41	·04		·50				21
22			·13				·14			·25				22
23			·11				—		1·67					23
24							—							24
25		·54					—			·33				25
26							2·48							26
27					1·25			·25						27
28								/						28
29								·20						29
30		✕		1·00				—						30
31	1·50	✕	·89	✕		✕		—	✕		✕			31
TOTAL	2·10	1·64	2·56	1·31	1·54	·65	9·03	·96	2·02	2·54	3·82	(2·60)	Year's Total 30·77	
* Days with .01 in. or more.	3	4	13	3	3	1	11	6	4	6	5		"	
* Days with .04 in. or more.	3	4	12	3	3	1	11	6	4	6	5			

"d"

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) G. Knox

[P.T.O.

3591

3591

ALNMOUTH, NETHER GRANGE

1931 —— 36

280702

Section **A** for the entry of … OPY FOR OFFICIAL USE.
AIR MINISTR … ORGANIZATION.

FORM 1090. **REGIST**

Kept at Nether Gra

in the County of Northu

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea L

THE MORNING MEASU

An observer who does not conform to … owing year in the space on the right of thi

Jan. 1, following

Date	Jan.	Feb.	March							Nov.	Dec.	*Date*	
	in.	in.	in.							in.	in.		
1	0.00	0.00	0.15	0.00	0.00	0.07	0.05	0.00	0.61	0.00	0.00	0.00	1	
2	0.00	0.06	0.02	0.63	0.00	0.61	0.00	0.00	0.35	0.03	0.00	0.19	2	
3	0.00	0.00	0.00	0.03	0.00	0.08	0.13	0.00	0.05	0.00	0.40	0.07	3	
4	0.13	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.03	4	
5	0.00	0.00	0.02	0.00	0.09	0.04	0.11	0.20	0.02	0.00	0.01	0.26	5	
6	0.00	0.25	0.04	0.00	0.00	0.72	0.00	0.07	0.00	0.09	0.00	0.00	6	
7	0.00	0.00	0.03	0.00	0.08	0.08	0.63	0.00	0.02	0.00	0.12	0.00	7	
8	0.04	0.08	0.09	0.00	0.10	0.20	0.00	0.16	0.06	0.00	0.06	0.00	8	
9	0.02	0.00	0.04	0.00	0.13	0.08	0.10	0.11	0.00	0.04	0.30	0.11	9	
10	0.00	0.00	0.09	0.00	0.08	0.06	0.11	0.00	0.01	0.00	0.00	0.00	10	
11	0.01	0.13	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	11	
12	0.18	0.00	0.00	0.00	0.00	0.05	0.20	0.02	0.00	0.06	0.03	0.00	12	
13	0.10	0.00	0.07	0.00	0.06	0.06	0.16	0.00	0.00	0.00	0.00	0.00	13	
14	0.04	0.09	0.00	0.00	0.02	0.50	0.00	0.15	0.00	0.00	0.25	0.04	14	
15	0.00	0.00	0.00	0.16	0.00	0.05	0.00	0.17	0.02	0.00	0.03	0.00	15	
16	0.00	0.27	0.00	0.11	0.00	0.05	0.10	0.17	0.06	0.00	0.08	0.00	16	
17	0.00	0.10	0.00	0.23	0.00	0.04	0.21	0.37	0.00	0.04	0.03	0.00	17	
18	0.45	0.01	0.00	0.00	0.00	0.00	0.21	0.00	0.04	0.00	0.66	0.00	18	
19	0.05	0.04	0.00	0.00	0.00	0.00	0.06	0.63	0.06	0.08	0.00	0.00	19	
20	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.05	0.00	0.00	20	
21	0.04	0.00	0.00	0.09	0.00	0.00	0.00	0.11	0.02	0.00	0.00	0.00	21	
22	0.09	0.02	0.00	0.13	0.06	0.00	0.00	0.02	0.01	0.00	0.00	0.00	22	
23	0.09	0.05	0.00	0.09	0.21	0.13	0.00	0.00	0.09	0.23	0.97	0.18	23	
24	0.03	0.00	0.00	0.52	0.44	0.00	0.00	0.00	0.01	0.19	0.07	0.00	24	
25	0.00	0.00	0.00	0.50	0.00	0.00	0.19	0.00	0.00	0.00	0.03	0.00	25	
26	0.00	0.00	0.00	0.23	0.18	0.00	0.00	0.00	0.00	0.07	0.42	0.00	26	
27	0.00	0.00	0.01	0.17	0.00	0.00	0.06	0.00	0.00	0.04	0.27	0.07	27	
28	0.06	0.12	0.00	0.05	0.47	0.00	0.00	0.00	0.00	0.23	0.00	0.18	28	Snow
29	0.31	×	0.06	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.07	0.26	29	Snow
30	0.47	×	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.02	0.00	0.00	30	
31	0.58	×	0.00	×	0.30	×	0.00	0.00	×	0.00	×	0.05	31	d.
TOTAL	2.69	1.28	0.62	2.64	2.43	2.82	2.65	2.22	2.41	1.17	3.80	1.44	YEAR'S TOTAL 26.17	
*Days with ·01 in. or more.	17	14	11	13	14	16	16	13	16	15	17	11	171	
*Days with ·04 in. or more.	14	11	7	12	13	16	16	11	9	11	12	10	142.	

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*See Instruction 2 (*f*) on other side.

(Signed)

[P.T.O.

3591

Section **A** for the entry of Daily Observations. OPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Nether Grange

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0·00	0·00	0·15	0·00	0·00	0·07	0·05	0·00	0·61	0·00	0·00	0·00	1
2	0·00	0·06	0·02	0·63	0·00	0·61	0·00	0·00	0·35	0·03	0·00	0·19	2
3	0·00	0·00	0·00	0·03	0·00	0·08	0·13	0·00	0·05	0·00	0·40	0·07	3
4	0·13	0·05	0·00	0·00	0·00	0·00	0·00	0·00	0·98	0·00	0·00	0·03	4
5	0·00	0·00	0·02	0·00	0·09	0·04	0·11	0·20	0·02	0·00	0·01	0·26	5
6	0·00	0·25	0·04	0·00	0·00	0·72	0·00	0·07	0·00	0·09	0·00	0·00	6
7	0·00	0·00	0·03	0·00	0·08	0·08	0·63	0·00	0·02	0·00	0·12	0·00	7
8	0·04	0·08	0·09	0·00	0·10	0·20	0·00	0·16	0·06	0·00	0·06	0·00	8
9	0·02	0·00	0·04	0·00	0·13	0·08	0·10	0·11	0·00	0·04	0·30	0·11	9
10	0·00	0·00	0·09	0·00	0·08	0·06	0·11	0·00	0·01	0·00	0·00	0·00	10
11	0·01	0·13	0·00	0·00	0·00	0·00	0·13	0·00	0·00	0·00	0·00	0·00	11
12	0·18	0·00	0·00	0·00	0·00	0·05	0·20	0·02	0·00	0·06	0·03	0·00	12
13	0·10	0·00	0·07	0·00	0·06	0·06	0·16	0·00	0·00	0·00	0·00	0·00	13
14	0·04	0·09	0·00	0·00	0·02	0·50	0·00	0·15	0·00	0·00	0·25	0·04	14
15	0·00	0·00	0·00	0·16	0·00	0·05	0·00	0·17	0·02	0·00	0·03	0·00	15
16	0·00	0·27	0·00	0·11	0·00	0·05	0·10	0·17	0·06	0·00	0·08	0·00	16
17	0·00	0·10	0·00	0·23	0·00	0·04	0·21	0·37	0·00	0·04	0·03	0·00	17
18	0·45	0·01	0·00	0·00	0·00	0·00	0·21	0·00	0·04	0·00	0·66	0·00	18
19	0·05	0·04	0·00	0·00	0·00	0·00	0·06	0·63	0·06	0·08	0·00	0·00	19
20	0·00	0·01	0·00	0·00	0·00	0·00	0·00	0·04	0·00	0·05	0·00	0·00	20
21	0·04	0·00	0·00	0·09	0·00	0·00	0·00	0·11	0·02	0·00	0·00	0·00	21
22	0·09	0·02	0·00	0·13	0·06	0·00	0·00	0·02	0·01	0·00	0·00	0·00	22
23	0·09	0·05	0·00	0·09	0·21	0·13	0·00	0·00	0·09	0·23	0·97	0·18	23
24	0·03	0·00	0·00	0·50	0·44	0·00	0·00	0·00	0·01	0·19	0·07	0·00	24
25	0·00	0·00	0·00	0·50	0·00	0·00	0·19	0·00	0·00	0·00	0·03	0·00	25
26	0·00	0·00	0·00	0·23	0·18	0·00	0·00	0·00	0·00	0·07	0·42	0·00	26
27	0·00	0·00	0·01	0·17	0·00	0·00	0·06	0·00	0·00	0·04	0·27	0·07	27
28	0·06	0·12	0·00	0·05	0·47	0·00	0·00	0·00	0·00	0·23	0·00	0·18	28 Snow
29	0·31	×	0·06	0·00	0·00	0·00	0·20	0·00	0·00	0·00	0·07	0·26	29 Snow
30	0·47	×	0·00	0·00	0·21	0·00	0·00	0·00	0·00	0·02	0·00	0·00	30
31	0·58	×	0·00	×	0·30	×	0·00	0·00	×	0·00	×	0·05	31 d.
TOTAL	2·69	1·28	0·62	2·64	2·43	2·82	2·65	2·22	2·41	1·17	3·80	1·44	YEAR'S TOTAL 26·17
*Days with ·01 in. or more.	17	14	11	13	14	16	16	13	16	13	17	11	171
*Days with ·04 in. or more.	14	11	7	12	13	16	16	11	9	11	12	10	142.

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*See Instruction 2 (*f*) on other side.

(*Signed*) .... [P.T.O.

Section **A** for the entry of Daily Observations. — FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at NETHER GRANGE, ALNMOUTH
in the County of NORTHUMBERLAND
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 6 in.
,, Ground ,, Sea Level 40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following.

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	0·04	—	—	0·06	—	—	—	—	0·02	0·34	0·10	0·07	1
2	0·00	—	—	0·04	0·20	—	0·04	—	0·40	0·33	0·04	0·07	2
3	0·00	—	—	0·05	—	0·03	—	—	0·06	0·04	—	—	3
4	0·00	0·01	—	—	0·04	—	0·29	0·04	0·03	0·08	—	—	4
5	0·00	—	—	—	0·03	—	—	—	0·10	0·06	—	0·12	5
6	0·05	—	—	—	0·52	—	—	—	0·01	—	—	0·04	6
7	0·00	0·08	0·23	—	0·03	—	—	—	0·13	0·09	—	—	7
8	0·00	—	—	0·09	0·07	—	—	—	0·25	0·38	0·06	—	8
9	0·21	0·04	0·13	0·21	0·03	—	—	—	0·04	0·07	—	0·07	9
10	0·01	0·03	0·05	0·12	—	—	0·14	—	0·05	0·09	—	0·06	10
11	0·01	0·09	0·01	0·07	0·32	—	0·13	—	—	—	0·01	—	11
12	0·10	0·05	—	—	0·16	—	—	—	—	0·15	—	—	12
13	0·08	0·12	—	0·12	0·10	—	—	—	0·24	0·06	—	0·13	13
14	0·07	—	—	0·04	—	—	—	—	—	0·05	—	—	14
15	0·06	—	—	—	0·05	—	—	0·09	—	0·06	—	—	15
16	0·34	—	0·03	—	0·01	—	—	—	—	0·05	0·15	0·10	16
17	0·00	—	—	—	0·08	—	0·03	0·08	—	0·50	0·07	0·20	17
18	0·00	—	—	—	0·05	—	—	—	—	—	—	—	18
19	0·00	—	0·01	0·01	0·05	—	0·04	—	—	0·16	—	—	19
20	0·00	—	0·60	0·04	0·09	—	—	0·38	—	0·04	—	0·10	20
21	0·01	—	0·31	—	0·64	—	—	0·42	—	0·68	0·10	0·03	21
22	—	—	0·44	0·07	0·14	—	0·21	—	—	—	—	—	22
23	—	0·06	—	0·18	—	—	0·26	—	0·07	—	—	—	23
24	—	0·08	—	0·02	0·10	—	—	—	0·13	—	—	—	24
25	—	0·04	—	—	0·12	—	—	0·02	0·01	0·07	0·06	—	25
26	—	—	—	—	0·15	—	0·11	—	0·57	0·03	0·02	—	26
27	—	—	0·43	0·17	0·04	0·52	0·23	—	0·01	0·35	—	—	27
28	—	—	0·10	0·14	0·47	0·18	0·03	—	—	0·04	—	—	28
29	—	—	0·26	0·05	—	0·01	0·15	0·72	—	0·16	0·09	0·09	29
30	—	×	0·05	0·01	—	0·31	0·70	0·05	1·46	0·20	0·06	—	30
31	—	×	0·03	×	—	×	—	0·06	×	—	×	0·03	31
TOTAL	·98	·59	2·68	1·49	3·49	1·05	2·36	1·86	3·58	4·08	0·76	1·11	YEAR'S TOTAL 24·03
Days with ·01 in. or more.	11	9	14	18	23	5	13	9	17	24	11	13	167
Days with ·04 in. or more.	8	9	10	15	19	3	11	8	12	23	9	11	130

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(Signed)

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.** Station No. 3591

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at NETHER GRANGE, ALNMOUTH.
in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft 6 in.
,, Ground ,, Sea Level 40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	—	—	—	—	—	0·02	—	0·04	0·15	0·09	1
2	0·20	—	0·19	—	—	—	—	—	—	—	1·21	0·03	2
3	0·05	0·04	0·44	0·08	0·08	—	—	—	0·03	—	0·33	—	3
4	0·09	—	0·09	—	—	—	—	—	—	—	0·01	—	4
5	0·02	0·05	0·02	—	0·06	—	—	—	—	—	—	—	5
6	—	0·12	—	—	—	—	—	0·73	—	—	—	0·09	6
7	—	0·02	—	—	0·25	0·04	—	—	—	1·08	—	0·01	7
8	0·01	—	0·06	—	0·11	—	—	0·01	—	0·03	—	0·17	8
9	—	0·10	—	—	0·02	0·06	0·13	—	—	0·25	0·03	0·07	9
10	—	Snow 0·14	—	—	—	0·17	—	—	—	0·03	0·14	0·07	10
11	—	—	—	—	0·09	—	0·02	0·05	—	—	—	0·02	11
12	—	—	—	—	0·05	0·33	—	—	—	—	—	0·17	12
13	—	—	0·03	—	—	—	0·20	0·05	—	—	0·07	—	13
14	0·13	—	0·04	—	0·01	—	—	—	—	—	0·10	0·29	14
15	0·21	—	0·10	0·12	—	0·02	0·02	0·14	—	0·10	0·16	—	15
16	0·16	—	—	—	0·07	0·06	—	0·02	—	—	0·06	—	16
17	—	Snow 0·25	—	0·12	—	0·18	—	—	0·04	—	0·22	—	17
18	Snow 0·48	—	0·08	0·06	—	0·43	—	—	—	—	0·16	—	18
19	—	—	0·03	0·01	—	—	0·82	—	—	—	0·11	—	19
20	—	—	—	0·01	—	—	—	—	0·43	0·02	0·01	—	20
21	—	Snow 0·07	—	0·01	—	0·09	—	0·10	—	0·04	0·04	—	21
22	—	Snow 0·27	—	—	0·06	—	0·02	0·08	—	0·93	—	—	22
23	—	Snow 0·28	—	—	—	0·11	—	0·01	0·22	0·03	0·08	—	23
24	—	—	—	0·24	—	—	—	—	0·12	0·08	—	—	24
25	—	—	—	0·49	0·03	—	—	—	0·73	Thunder 0·45	0·07	—	25
26	0·03	0·74	—	0·25	—	—	—	—	0·03	0·41	0·20	0·19	26
27	0·02	0·07	—	—	—	0·01	0·40	—	—	0·43	0·07	0·04	27
28	0·09	—	—	—	—	—	0·07	1·04	0·03	0·41	0·03	0·10	28
29	—	—	—	0·50	—	—	0·04	0·01	—	0·10	—	0·12	29
30	—	×	—	0·14	—	—	0·08	—	—	—	—	0·04	30
31	0·07	×	—	×	—	×	0·12	0·07	×	—	×	0·07	31
TOTAL	1·56	2·15	1·08	2·03	0·83	1·50	1·92	2·33	1·63	4·41	3·33	1·57	YEAR'S TOTAL 24·34
*Days with ·01 in. or more.	13	12	10	12	11	11	11	13	8	16	20	16	153
*Days with .04 in. or more.	9	11	7	9	8	9	8	8	5	12	16	13	115

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*See Instruction 2 (*f*) on other side.

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(*Signed*) ....

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3591

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Alnmouth

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level 40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0·08	–	–	–	0·11	–	–	0·21	–	–	–	0·22		1
2	–	0·03	–	–	–	–	–	0·03	–	–	0·05	0·12		2
3	–	0·02	–	–	–	–	–	–	0·10	0·08	0·17	0·75		3
4	–	–	0·01	–	–	–	–	–	–	0·03	0·21	0·02		4
5	0·06	–	0·18	snow 0·11	0·10	–	–	–	–	–	0·22	0·15		5
6	–	–	–	snow 0·15	0·28	0·12	–	1·25	0·03	0·05	0·70	0·15		6
7	–	0·05	–	0·03	0·10	0·02	–	–	0·07	–	0·04	0·03		7
8	–	–	0·12	–	0·05	–	–	0·03	0·03	0·08	–	0·02		8
9	–	–	0·01	0·72	–	–	–	0·05	0·09	0·02	0·55	–		9
10	–	–	0·37	0·39	–	–	–	0·55	–	–	0·39	0·03		10
11	–	–	0·50	1·90	–	–	–	0·03	–	–	0·22	0·12		11
12	0·02	–	0·46	0·47	0·02	–	0·04	0·11	–	–	0·23	–		12
13	0·20	–	0·02	0·03	0·02	0·02	0·46	0·08	–	0·02	0·05	0·12		13
14	0·35	–	0·21	0·01	0·03	–	0·03	–	0·06	–	0·04	0·13		14
15	–	–	0·12	–	0·26	–	–	0·01	0·10	0·20	0·01	–		15
16	0·08	–	0·18	–	0·02	–	–	–	–	0·06	0·07	0·26		16
17	0·05	–	0·09	–	0·07	–	0·38	–	0·31	–	0·02	0·02		17
18	0·52	–	0·02	0·22	0·04	0·07	0·21	0·02	–	–	–	0·03		18
19	–	–	0·20	0·25	0·04	0·07	0·02	–	–	0·03	0·09	–		19
20	–	–	0·25	0·01	–	0·06	–	0·13	0·02	–	–	–		20
21	–	–	–	–	–	0·88	–	–	0·04	0·07	–	0·21		21
22	–	–	–	0·01	–	0·73	0·02	0·05	0·20	–	0·06	0·13		22
23	–	–	0·12	0·11	–	–	0·10	0·04	–	0·01	0·03	–		23
24	–	0·01	–	0·03	–	0·15	0·02	–	–	0·42	–	0·86		24
25	0·04	0·02	–	0·03	–	–	0·03	–	0·13	0·20	0·03	0·04		25
26	–	snow 0·06	–	0·58	–	0·12	–	–	0·02	0·22	–	0·13		26
27	–	0·31	–	0·34	–	0·16	0·09	–	0·01	0·07	–	0·22		27
28	–	–	–	0·20	–	–	0·31	0·26	–	–	–	0·08		28
29	–	×	0·03	–	–	–	0·20	0·26	0·37	0·40	–	0·02		29
30	0·10	×	–	–	–	–	0·17	–	0·03	sleet 1·84	–	0·02		30
31	0·09	×	–	×	–	×	–	0·05	×	–	×			31
TOTAL	1·59	0·50	2·89	5·59	1·14	2·40	2·08	3·16	1·61	3·80	3·18	3·88	Year's Total. 31·82	
* Days with .01 in. or more.	11	7	17	19	13	11	14	17	16	17	19	24	185	
* Days with .04 in. or more.	10	3	12	12	9	9	9	12	10	12	15	16	129	

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* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Ella Pease

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3591

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

M07

11 JAN 1936

TIME 15

Kept at Nether Grange ALNMOUTH

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level 40 ft approx

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	0·25	-	0·48	0·10	-	-	0·07	-	0·54	-	-	-		1
2	-	-	-	0·17	-	0·19	-	-	-	0·59	-	-		2
3	-	0·09	0·09	-	-	0·32	-	-	-	-	0·20	-		3
4	-	-	0·02	-	-	-	-	-	0·01	0·34	0·14	-		4
5	0·15	0·01	-	-	-	0·12	-	-	0·01	0·20	0·03	-		5
6	0·03	-	-	-	-	0·09	-	-	0·02	0·12	-	-		6
7	0·11	-	-	0·15	-	-	-	-	-	0·10	0·21	0·04		7
8	-	-	0·01	0·22	-	-	-	-	-	0·02	0·06	0·01		8
9	-	0·07	-	0·24	-	-	-	-	-	0·22	0·23	0·01		9
10	-	0·03	-	0·16	-	0·11	-	-	-	0·01	0·08	-		10
11	-	-	-	-	-	0·05	-	0·30	-	-	0·01	0·02		11
12	-	0·03	-	-	-	0·04	-	-	0·01	-	-	-		12
13	snow 0·23	-	-	-	0·23	0·02	0·09	-	-	-	-	-		13
14	-	-	-	0·04	-	0·09	-	-	-	0·04	0·23	snow 0·10		14
15	-	0·08	0·11	0·42	0·23	0·11	-	0·03	0·06	0·02	0·02	snow 0·17		15
16	-	0·22	0·02	0·35	0·40	0·41	-	0·31	0·28	0·02	0·14	0·40		16
17	-	0·01	-	0·66	0·42	-	0·03	-	-	-	1·03	0·30		17
18	0·10	-	-	-	0·05	0·16	0·04	-	0·07	0·15	0·01	0·19		18
19	-	0·05	-	0·01	-	0·22	0·17	-	0·02	0·05	-	-		19
20	0·03	0·05	-	0·49	-	0·08	-	-	-	-	-	-		20
21	-	-	0·15	0·17	-	-	-	-	0·62	0·47	-	-		21
22	-	0·36	0·05	0·47	-	-	-	-	0·08	-	0·02	-		22
23	0·06	-	0·02	0·04	-	-	-	0·03	-	0·04	-	-		23
24	0·04	0·26	0·14	0·02	-	-	-	0·03	0·22	-	-	0·34		24
25	0·12	0·04	-	-	-	-	-	-	-	-	0·03	0·19		25
26	snow 0·42	-	-	0·04	0·01	0·07	0·08	0·94	0·22	0·28	-	0·43		26
27	snow 0·14	0·09	-	-	-	0·03	-	-	0·08	0·10	0·08	0·14		27
28	0·02	-	0·03	-	-	-	-	-	0·05	0·15	-	-		28
29	-	-	0·24	-	-	0·01	-	0·03	0·07	0·02	-	0·12		29
30	-	✕	-	-	-	0·11	-	0·20	0·14	-	0·43	-		30
31	-	✕	-	✕	-	✕	-	-	✕	0·05	✕	0·28		31
TOTAL	1·70	1·39	1·36	3·75	1·34	2·23	0·48	1·87	2·50	2·99	2·95	2·74	Year's Total 25·30	
* Days with .01 in. or more.	13	~~4~~ 14	~~5~~ 12	~~2~~ 17	~~1~~ 6	~~1~~ 18	~~1~~ 6	~~4~~ 8	~~5~~ 11	~~5~~ 20	17 ~~6~~	15 ~~3~~	163 ~~42~~	Total Rain Days 963
* Days with .04 in. or more.	10	10	7	15	5	15	5	4	12	15	11	12	121	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 3591

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Kept at ALNMOUTH

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·19	·45	·62	—	—	·13	·08	·03	·42	·02	·01	—		1
2	·08	·28	·02	—	—	—	·09	—	·09	—	·01	·10		2
3	—	—	—	—	—	·68	·21	·05	·19	—	—	—		3
4	·34	—	—	—	·02	·02	—	·19	·36	·02	·07	·03		4
5	·15	—	—	—	·05	·01	—	·02	·03	—	·02	—		5
6	·09	—	—	·04	—	—	·08	·42	·47	·04	·13	—		6
7	·07	—	·08	—	—	—	·23	—	·03	—	·05	·13		7
8	·19	—	·12	—	—	—	—	—	—	·13	—	—		8
9	·44	—	·80	—	—	·10	·06	·02	·05	·12	·54	—		9
10	·14	—	—	·05	—	—	·13	—	·01	·02	—	—		10
11	—	—	—	·05	—	—	—	·06	—	·03	·30	·11		11
12	·03	—	—	·13	·19	·03	—	·05	·38	·01	·16	—		12
13	—	—	—	·17	—	—	·06	—	—	·21	·04	·41		13
14	—	—	—	·12	—	·41	—	·02	·19	—	·01	·34		14
15	—	—	—	·28	—	·11	·27	·16	—	—	·07	—		15
16	·10	—	—	—	—	—	—	—	—	—	·24	—		16
17	—	·27	—	·03	·26	—	·19	—	—	·03	·79	·05		17
18	—	·11	—	—	—	—	—	·01	—	·20	—	·05		18
19	·25	·18	—	·01	—	—	·09	—	—	·17	—	·03		19
20	·32	·07	—	—	—	—	·06	—	—	—	—	·07		20
21	·22	·01	—	·02	—	—	·07	—	—	—	—	—		21
22	—	·28	—	—	·12	·02	—	—	—	—	—	—		22
23	—	·05	·02	·09	·02	—	·36	—	—	—	—	—		23
24	·03	·18	·03	—	·57	—	—	—	·74	·14	—	—		24
25	·25	—	·05	—	·04	—	·10	—	·07	—	—	—		25
26	·03	·08	·06	—	—	—	·02	—	·11	·17	—	—		26
27	·06	—	·08	—	—	—	—	—	·05	—	·05	—		27
28	·14	·45	—	—	—	—	—	—	·01	—	·04	—		28
29	·81	·53	·27	—	·06	·48	·06	—	—	·20	—	—		29
30	·03	✕	·02	—	·02	·03	·36	—	—	·11	—	—		30
31	—	✕	—	✕	·06	✕	—	—	✕	—	✕	·01		31
TOTAL	3·96	2·94	2·17	0·99	1·41	2·02	2·52	1·03	3·20	1·62	2·53	1·33	Year's Total 25·72	✓
* Days with .01 in. or more.	21	13	12	11	11	11	18	11	16	16	16	11	167	✓
* Days with .04 in. or more.	17	12	8	8	8	6	17	6	12	10	12	8	124	✓

† Spare column, no entries required.

(*Signed*) Ella Pease (Miss). [P.T.O.

* See Instruction 3 (f) on other side.

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HOWICK GDNS

1931 -40

780702

Section A **for the entr**

AIR MINIS

COPY FOR OFFICIAL USE.

L ORGANIZATION.

FORM 1090.

REG

Kept at Howick Ga

in the County of Nor

Diameter of Funnel of Gauge.

Height of top of Gauge above C

,, Ground ,, S

THE MORNING ME Y.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·11 x	—	·02	·08	—	·10	·70	·02	·01	·05	1
2	—	·13	·01 x	·69	—	·70	—	·01	·37	·08	—	·28	2
3	—	·02	·01 x	·05	—	·07	—	·16	—	—	·49	·14	3
4	—	·05	—	—	—	—	—	—	·82	—	·02	·11	4
5	·16	—	—	—	·28	·06	·15	·11	—	—	—	·21	5
6	—	·32 x	·13 x	—	—	·64	·07	·05	·05	·09	—	—	6
7	—	—	·03 x	—	·15	·12	·02	—	·03	—	·08	—	7
8	·07	·01	·11 x	—	·11	·13	·27	·92	·24	—	·16	—	8
9	·02	·11	·03 x	—	·16	·09	·09	·12	—	·14	·40	·16	9
10	—	—	·09 x	—	·10	·13	·01	·08	—	—	·04	·02	10
11	—	·09	·01 x	·01	—	—	—	·03	·03	—	·02	·03	11
12	·17	—	—	—	—	·08	·01	·23	—	·03	—	·01	12
13	·04	—	·11	—	·04	·08	·01	·26	—	—	—	—	13
14	·05	·16 x	—	·02	·05	·56	·08	—	—	—	·25	·07	14
15	—	—	·01	·16	—	·04	·26	—	—	—	·09	—	15
16	·04	·30	—	·14	—	—	·23	·06	·01	—	·03	—	16
17	—	·10	—	·32	·09	·36	·17	·28	·07	·02	·02	—	17
18	·36 x	—	—	·05	—	·06	—	·31	·04	—	·53	—	18
19	·04	—	—	—	·01	—	·55	·10	·11	·10	·01	—	19
20	—	·03	—	·05	—	·01	·05	—	·02	·05	·04	—	20
21	·02	—	—	·09	—	—	·08	·03	—	·03	—	—	21
22	·09	·03	·11	·16	·01	—	·06	·01	—	—	—	—	22
23	·11	·06	—	·22	·26	·17	—	—	·11	·52	1·14	·19	23
24	·02	·03	—	·07	·43	—	·03	·01	·01	·20	·09	·02	24
25	—	—	—	·66	·02	—	—	·18	—	·04	·05	—	25
26	—	—	—	·32	·07	—	—	·33	—	—	·43	—	26
27	·06	·01	·02	·15	—	—	—	·03	—	·10	·35	·05	27
28	·36	·05 x	—	·01	·46	—	—	·01	—	·03	·10	·18 x	28
29	·55	X	·04	—	—	—	—	·12	·02	·19	·12	·17 x	29
30	—	X	—	—	·13	·01	—	—	·01	—	—	—	30
31	1·08	X	—	X	·58	X	—	·02	X	·04	X	·03	31
TOTAL	3·24	1·50	·82	3·17	2·97	3·39	2·14	3·56	2·64	1·68	4·47	1·72	YEAR'S TOTAL 31·30
*Days with ·01 in. or more.	17	16	14	17	18	18	17	24	16	16	22	16	211
*Days with ·04 in. or more.	14	10	7	14	14	16	12	16	9	11	16	11	150

40-9999

X Snow

*See Instruction 2 (*f*) on other side.

(*Signed*) E. Woodman

[P.T.O.

3592

Section **A** for the entr

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Howick Gardens Alnwick

in the County of Northumberland

Diameter of Funnel of Gauge 9 in.

Height of top of Gauge above Ground 1 ft ..... in.

,, Ground ,, Sea Level 110 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	—	—	·11 x	—	·02	·08	—	·10	·70	·02	·01	·05	1
2	—	·13	·01 x	·69	—	·70	—	·01	·37	·08	—	·28	2
3	—	·02	·01 x	·05	—	·07	—	·16	—	—	·49	·14	3
4	—	·05	—	—	—	—	—	—	·82	—	·02	·11	4
5	·16	—	—	—	·28	·06	·15	·11	—	—	—	·21	5
6	—	·32 x	·13 x	—	—	·64	·07	·05	·05	·09	—	—	6
7	—	—	·03 x	—	·15	·12	·02	—	·03	—	·08	—	7
8	·07	·01	·11 x	—	·11	·13	·27	·92	·24	—	·16	—	8
9	·02	·11	·03 x	—	·16	·09	·09	·12	—	·14	·40	·16	9
10	—	—	·09 x	—	·10	·13	·01	·08	—	—	·04	·02	10
11	—	·09	·01 x	·01	—	—	—	·03	·03	—	·02	·03	11
12	·17	—	—	—	—	·08	·01	·23	—	·03	—	·01	12
13	·04	—	·11	—	·04	·08	·01	·26	—	—	—	—	13
14	·05	·16 x	—	·02	·05	·56	·08	—	—	—	·25	·07	14
15	—	—	·01	·16	—	·04	·26	—	—	—	·09	—	15
16	·04	·30	—	·14	—	—	·23	·06	·01	—	·03	—	16
17	—	·10	—	·32	·09	·36	·17	·28	·07	·02	·02	—	17
18	·36 x	—	—	·05	—	·06	—	·31	·04	—	·53	—	18
19	·04	—	—	—	·01	—	·55	·10	·11	·10	·01	—	19
20	—	·03	—	·05	—	·01	·05	—	·02	·05	·04	—	20
21	·02	—	—	·09	—	—	·08	·03	—	·03	—	—	21
22	·09	·03	·11	·16	·01	—	·06	·01	—	—	—	—	22
23	·11	·06	—	·22	·26	·17	—	—	·11	·52	1·14	·19	23
24	·02	·03	—	·07	·43	—	·03	·01	·01	·20	·09	·02	24
25	—	—	—	·66	·02	—	—	·18	—	·04	·05	—	25
26	—	—	—	·32	·07	—	—	·33	—	—	·43	—	26
27	·06	·01	·02	·15	—	—	—	·03	—	·10	·35	·05	27
28	·36	·05 x	—	·01	·46	—	—	·01	—	·03	·10	·18 x	28
29	·55	X	·04	—	—	—	—	·12	·02	·19	·12	·17 x	29
30	—	×	—	—	·13	·01	—	—	·01	—	—	—	30
31	1·08	×	—	×	·58	×	—	·02	×	·04	×	·03	31
TOTAL	3·24	1·50	·82	3·17	2·97	3·39	2·14	3·56	2·64	1·68	4·47	1·72	YEAR'S TOTAL 31·30
*Days with ·01 in. or more.	17	16	14	17	18	18	17	24	16	16	22	16	211
*Days with ·04 in. or more.	14	10	7	14	14	16	12	16	9	11	16	11	150

40-9999

x Snow

*See Instruction 2 (*f*) on other side.

(*Signed*) E. Woodman

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No 3592.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Howick Gardens Alnwick

in the County of Northumberland

Diameter of Funnel of Gauge 9 in.

Height of top of Gauge above Ground 1 ft — in.

,, Ground ,, Sea Level 112 ft.

Year 3" high.

days

write [illegible]

Letter sent re large totals 15/5/33

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Left in pages.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·08	·07		·09	·02	—	—	—	·11	·26	·10	·05	1
2	·01	—	—	·03	·21	·03	—	·01	·38	·44	·06	·10	2
3	—	—		·08	—	—	·03	—	—	—	·02	·01	3
4	—	·01	—	—	·04	—	·31	—	·06	—	—	—	4
5	—	—	·04	·03	·03	—	—	—	·15	·10	—	·11	5
6	·05	—	—	—	·73 x	—	—	—	·05	·07	—	·04	6
7	—	—	·24	—	·05	—	—	—	·16	·15	—	—	7
8	—	·09	·14 x	·14	—	—	—	—	·31	·53	·08	—	8
9	·36	·07	·02	·19	—	—	—	—	·04	·05	—	·18	9
10	·03	—	·05	·13	—	—	·06	—	·14	·10	·03	·10	10
11	—	—	—	·08	·33	—	·42	—	—	—	—	—	11
12	·12	—	—	—	·21	—	·02	·06	—	·20	·02	—	12
13	·08	·17	—	·18	·13	—	—	·08	·20	·06	—	·11	13
14	·04	—	—	·05	—	—	—	—	—	·11	—	—	14
15	·08	—	—	·03	·05	—	—	·01	—	·06	·15	—	15
16	·40	—	·02	—	—	—	—	—	—	·05	·07	·14	16
17	—	—	—	—	·04	—	—	·05	—	·49	·06	·21	17
18	—	—	—	—	·06	—	—	—	—	·03	—	—	18
19	—	·03	·02	·08	·05	—	·03	—	·03	·19	—	·03	19
20	—	—	·55	·05	·06	—	—	·34	·06	·04	—	·09	20
21	—	—	·40	—	·80	—	—	·74	—	·85	—	·05	21
22	—	—	·54	·13	·25	—	·15	—	—	—	·11	·02	22
23	—	·06	—	·14	—	—	·10	—	·05	—	—	—	23
24	—	·03	—	·01	·11	—	·22	—	·14	—	—	—	24
25	—	·02	—	—	·08	·01	·01	·07	·04	·10	·03	—	25
26	—	—	·47	—	·20	—	·08	·03	·53	·05	—	—	26
27	—	—	—	·16	·03	·38	·50	—	·02	·48	·04	—	27
28	—	—	·13	·20	·53	·41	·17	—	—	·06	—	—	28
29	—	—	·28	·06	·05	—	·12	·71	—	·18	·16	·07	29
30	—	×	·09	·02	—	·36	·06	·11	1·47	·20	·06	—	30
31	—	×	·05	×	—	×	·71	—	×	·02	×	·04	31
TOTAL	1·25	0·55	3·04	1·88	4·05	1·19	2·99	2·21	3·94	4·87	0·99	1·35	YEAR'S TOTAL 28·31
*Days with ·01 in. or more.	10	9	15	20	22	5	16	11	18	25	14	16	181
*Days with .04 in. or more.	8	5	12	15	19	3	12	8	16	23	10	13	144

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*See Instruction 2 (*f*) on other side.

× Snow.

(*Signed*) E. Woodman

P.T.O.

[illegible]

X Howick Hall Gardens X

3592

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

Station No. 3592

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

North. 15

Kept at Howick Gardens ~~Alnwick~~

in the County of Northumberland.

Diameter of Funnel of Gauge 10 in.

Height of top of Gauge above Ground 1 ft. X in.

,, Ground ,, Sea Level 110 ft.

1932 big rep 24.

Return examined with surrounding stations & found to be in good agreement.

8/3/34.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03	·03	–	–	·06	–	–	·01	–	·04	·15	·09		1
2	·20	–	·21	–	–	·02	–	–	–	–	·96	–		2
3	·04	·06	·34	·07	·04	–	–	–	·01	–	·17	–		3
4	·10	·02	·11	·02	·05	–	–	–	–	–	–	–		4
5	·04	·08	·04	–	·04	–	–	–	–	–	trace	–		5
6	–	·13	–	–	–	–	–	·23	–	–	trace	·05		6
7	·02	·04	–	–	·26	–	–	–	–	1·30	–	·01		7
8	–	–	·11	·01	·15	·02	–	·01	–	–	–	·23		8
9	–	·12	–	–	–	·13	·10	–	–	·21	·03	·14		9
10	·03	·11	–	–	–	·13	–	–	–	·01	·19	·07		10
11	–	–	·02	–	·13	·01	·02	·14	–	·03	–	·02		11
12	–	–	–	–	·05	·38	·01	–	–	–	–	·12		12
13	–	–	·06	–	·01	–	·24	·08	·02	–	·07	·01		13
14	·09	–	–	–	·05	–	·07	–	–	–	·13	·24		14
15	·35	–	·07	·11	–	·06	–	·07	–	·06	·12	·03		15
16	·19	–	·05	·03	·08	·06	–	·01	–	–	·07	·02		16
17	·46x	·15x	–	·12	·01	·06	–	–	·02	–	·21	–		17
18	–	·08x	·08	·06	·03	·04	·08	·03	–	–	·18	–		18
19	–	·02x	·04	·08x	–	–	·54	·02	–	–	·12	–		19
20	–	·06x	–	·01	–	–	–	–	·35	·01	·02	–		20
21	–	·05x	–	·03	–	–	–	·04	·08	·02	·04	–		21
22	–	·25x	–	–	–	–	–	·10	·03	·95	–	–		22
23	–	·10x	–	–	·24	·15	·03	·01	·28	·03	·09	–		23
24	–	·20	–	·26	–	–	·14	–	·16	·03	·02	–		24
25	–	·06	–	·56	·03	–	·09	–	·52	·40	·08	·03		25
26	·08x	·83	–	·19	–	–	–	–	·03	·40	·18	·23		26
27	·05	·12	–	–	·02	·04	·33	–	–	·60	·14	·10		27
28	·09	–	–	·03	·05	–	·19	1·02	·03	·28	·01	·13		28
29	·03	×	–	·58	–	–	·17	·06	–	·11	–	·10		29
30	·05x	×	–	·12	–	–	·09	–	·03	–	–	·06		30
31	·03	×	·05	×	–	×	·10	·16	×	–	×	·06		31
TOTAL	1·88	2·51	1·18	2·28	1·30	1·10	2·20	1·99	1·56	4·38	2·98	1·76	Year's Total 25·12	
*Days with ·01 in. or more.	17	19	12	16	17	12	15	15	12	16	20	19	190	
*Days with ·04 in. or more.	12	16	11	10	12	9	12	9	5	10	16	13	135	

40-9999

*See Instruction 2 (*f*) on other side.

D X snow.

† Spare column, no entries required

(*Signed*) E. Woodman.

X EARL GREY X

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Howick Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ft 9 in.

" Ground " Sea Level 120 ft.

24
T.L.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·14		–	–	·12	–	–	·26	–	–	–	–		1
2	–	–	–	–	–	–	–	·05	·14	–	·04	·21		2
3	–	·02	–	–	–	–	–	–	–	·07	·25	·08		3
4	–	·02	–	–	–	–	–	–	–	·03	·22	·87		4
5	–	–	·15	·20 ×	·05	–	–	–	–	–	·19	–		5
6	·04	–	–	·16 ×	·35	·13	–	1·02	·03	·05	·70	·20		6
7	–	–	–	·05	·07	·02	–	–	·10	–	·13	·12		7
8	–	–	·13	–	·03	–	–	·02	·01	·07	–	·07		8
9	–	–	·03	·71	–	–	–	·03	·04	·03	·58	·02		9
10	–	–	·39	·42	–	–	–	·47	–	–	·45	·01		10
11	·02	–	·62	1·72	–	–	–	·01	–	–	·15	·04		11
12	·01	–	·44	·51	·06	–	·06	·17	–	·01	·14	·16		12
13	·19	–	·02	·06	·01	·05	·31	·10	–	·04	·01	–		13
14	·62	–	·23	·01	·07	–	·07	–	·06	·01	–	·20		14
15	–	–	·13	–	·25	·02	–	·04	·15	·24	·02	·17		15
16	·05	–	·21	–	·03	–	–	–	–	·12	·05	·01		16
17	·05	–	·11	–	·07	–	·34	–	·32	·05	·01	·33		17
18	·39	–	·02	·48	·01	·05	·37	·03	–	–	–	·02		18
19	–	–	·23	·24	·02	·07	·02	–	–	·13	·10	·03		19
20	–	–	·22	–	·01	·07	–	·12	–	–	–	–		20
21	–	–	–	–	–	·88	–	·02	·02	·08	–	–		21
22	–	–	–	–	–	·79	·03	·04	·18	–	·02	·29		22
23	–	–	·08	·12	–	–	·16	·05	–	–	·02	·18		23
24	–	·01	–	·07	·03	·14	–	–	·02	·58	–	·05		24
25	–	–	–	·02	–	–	·04	·21	·08	·14	·04	·74		25
26	–	·05	–	·40	–	·10	–	–	·02	·22	–	·08		26
27	–	·30	–	·16	–	·07	·05	–	·02	·09	–	·14		27
28	–	·02	–	·38	–	–	·19	·28	–	–	–	·23		28
29	–	×	–	–	–	–	·17	·18	·42	·59	–	·06		29
30	·08	×	–	–	–	–	·17	–	·02	1·26	–	–		30
31	·14	×	–	×	–	×	–	·06	×	–	×	–		31
TOTAL	1·73	·42	3·01	5·71	1·18	2·39	1·98	3·16.	1·63.	3·81	3·12.	4·31	Year's Total 32·45	
*Days with ·01 in. or more.	11	6	15	17	15	12	13	19	16.	19	18	24	185	
*Days with ·04 in. or more.	9	2	12	15	8	10	11	14	9	15.	13	19	137	

40-9999

*See Instruction 2 (*f*) on other side. × snow water.

† Spare column, no entries required.

(*Signed*) E. Woodman.

[P.T.O.

111 15

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Howick Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 112 ft.

24

TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·28	–	·47	·10	–	–	·11	–	·43	–	·01	–		1
2	–	–	–	·09	–	·09	–	–	–	·58	·27	–		2
3	–	·06	·16	·08x	–	·21	·04	–	–	–	·15	–		3
4	–	–	·09	·01	–	·35	·05	–	–	·41	·03	–		4
5	·10	–	–	–	–	·01	–	–	·03	·31	·02	–		5
6	·11	–	–	–	–	·05	–	–	·03	·08	·17	–		6
7	·35	–	–	·16	–	·08	–	–	–	·08	·10	–		7
8	·02	·08	–	·25	–	·02	–	–	–	·02	·21	·07		8
9	·02	–	–	·30	–	–	–	–	–	·14	·13	·02		9
10	–	·06	–	·17	–	·13	·01	–	–	–	·02	–		10
11	·11	·01	–	–	–	·04	–	·55	–	–	–	·03		11
12	–	·02	–	–	–	·08	–	–	–	–	–	·01		12
13	·08	·03	·01	·01	·32	·04	·08	–	–	–	–	·10		13
14	–	–	–	·09	–	·14	–	–	·03	·03	·27	·03x		14
15	–	·09	·07	·30	·18	·23	–	–	·04	·06	·07	·18x		15
16	–	·24	·01	·40	·50x	·29	·03	·53	·38	·02	·24	·47x		16
17	–	·01	–	·77	·58x	·08	·05	·01	·02	·02	1·01	·39x		17
18	·11	·01	–	–	·15	·11	·08	·03	·08	·08	·03	·16x		18
19	·02	·06	–	–	–	·29	·20	–	–	·07	–	·08x		19
20	–	·05	–	·47	–	·06	·22	–	–	–	–	–		20
21	–	·03	·19	·15	–	–	–	–	·59	·36	–	–		21
22	–	·31x	·06	·59	–	–	–	–	·15	–	–	–		22
23	·04	–	·01	·07	–	–	–	–	–	·05	–	–		23
24	·02	·10	·15	·01	–	·03	–	–	·23	–	–	·27		24
25	·07	·02	–	–	–	·06	·01	–	·04	–	–	·30		25
26	·22x	–	–	·03	–	–	·02	1·22	·45	·30	·01	·43		26
27	·24x	·16x	–	–	–	·04	·16	–	·08	·37	·13	·13		27
28	·02x	–	·02	–	–	–	–	–	·04	·15	–	–		28
29	–	×	·30	–	–	·01	–	·01	·05	·04	–	·17		29
30	–	×	·01	–	–	·12	–	·57	·24	·38	·47	–		30
31	–	×	–	×	–	×	–	–	×	·01	×	·27		31
TOTAL	1·81	1·34	1·55	4·05	1·73	2·56	1·06	2·92	2·91	3·56	3·34	3·11	Year's Total. 29·94	
* Days with .01 in. or more.	16	17	13	19	5	23	13	7	17	21	18	17	186	
* Days with .04 in. or more.	11	10	8	15	5	19	9	4	13	16	12	13	135	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) C. Woodman.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 00.

REGISTER OF RAINFALL IN 1936.

Kept at Howick Hall Gdns.

in the County of Northumberland.

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

400 TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·37	·65	·59	—	—	·08	·07	·41	·64	·02	—	—		1
2	·11	·25	—	—	—	·04	·04	·03	·08	—	·04	·16		2
3	—	·09	—	—	—	·99	·35	·02	·22	—	—	·01		3
4	·31	—	·04	—	·02	·01	—	·03	·09	·04	·03	—		4
5	·27	—	—	—	·07	·07	—	—	·04	—	—	—		5
6	·10	—	—	·03	—	—	·10	·45	·43	·08	·16	·02		6
7	·05	—	·06	·02	—	—	·33	—	·04	—	·10	·08		7
8	·18	—	·18	—	—	—	—	—	—	·16	·01	—		8
9	·48	·02	·86	—	—	·11	·02	·02	·05	·04	·48	·03		9
10	·11	—	—	·04	—	—	·17	—	—	·05	—	—		10
11	—	—	—	—	—	—	—	·11	—	·04	·39	·07		11
12	·02	—	—	·16	·18	·03	·02	·22	·40	·02	·23	·04		12
13	—	—	—	·21	—	—	·25	—	—	·18	·02	·41		13
14	—	—	—	·10	—	·58	·04	—	·27	—	·02	·37		14
15	—	—	—	·22	·01	·10	·11	·16	—	—	·06	—		15
16	·02×	—	·02	—	—	—	—	—	—	—	·14	—		16
17	·10×	·26	—	·05	·27	—	·14	—	—	·08	·89	·03		17
18	—	·18	—	·03	—	—	—	—	—	·19	·04	·05		18
19	·19	·18	—	—	—	—	·15	—	—	·14	·01	·01		19
20	·24	·07	—	—	—	—	·04	—	—	·02	—	·02		20
21	·16	·02	·01	—	·01	—	·08	—	—	—	—	·19		21
22	—	·23	·03	—	·15	·01	—	—	—	—	—	—		22
23	—	·05	—	·12	·01	—	·42	—	—	—	—	—		23
24	·03	·18	·02	—	·58	—	—	—	·77	·09	—	—		24
25	·34	—	·06	—	·06	—	·09	—	·10	—	—	—		25
26	·08	·03	·04	—	—	—	·10	—	·09	·14	·05	—		26
27	·07	—	·10	—	·01	—	—	—	·09	—	·08	—		27
28	·12	·40	—	—	—	—	—	—	·03	—	·03	—		28
29	·85	·50	35	—	·03	·54	—	—	—	·23	—	·02		29
30	·05	✕	·01	—	·01	·03	·40	—	—	·12	—	—		30
31	·01	✕	·07	✕	·02	✕	—	—	✕	·01	✕	—		31
TOTAL	4·26	3·11	2·44	·98	1·43	2·59	2·92	1·45	3·34	1·65	2·78	1·51	Year's Total 28·46	
* Days with .01 in. or more.	23	15	15	10	14	12	19	9	15	18	18	15	183	
* Days with .04 in. or more.	19	12	10	7	6	8	17	5	14	14	12	8	132	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) E. Woodman. [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Howick Hall Gardens

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft. .... in.

,, Ground ,, Sea Level .... ft.

400 TL

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·08	·54	–	–	·28	·01	–	·19	·20		·03		1
2	·07	·11	·07	·07	–	·12	–	–	–	·02		·17		2
3	–	·16	–	·08	·01	·24	·67	–	–	–		·06		3
4	·15	–	·09	–	·08	·07	·03	·33	–	–		·20		4
5	·01	–	·10	–	·18	·01	·03	–	·08	–		·26		5
6	–	–	·08	·06	·03	–	·01	–	·04	–	·17	·08		6
7	–	·06	·05	·06	·01	·06	·06	–	–	–	·15	·61		7
8	–	·55	·28	–	–	–	·10	–	–	·09	·20	·29		8
9	·01	–	·24	·25	–	·01	·27	·14	–	–	·23	·05		9
10	–	–	·02	–	·08	–	·05	–	–	–	·37	·48		10
11	–	–	·58	–	–	·04	–	–	·01	–	·01	1·10		11
12	·17	·29	·90	·05	–	–	–	·11	·03	·01	·04	·27		12
13	–	·08	·34	–	·06	·05	·07	·33	·20	·01	·03	·72		13
14	–	–	·15	–	–	·43	–	·75	·03	–		·40		14
15	·12	·38	–	·30	–	–	·08	–	·08	–	·06	·19		15
16	·04	·02	·47	·68	–	·06	–	·06	·01	–	·04	·48		16
17	·16	·01	·29	·04	–	·14	–	–	·58	–		·19		17
18	–	·03	·01	–	–	·24	–	·17	·01	–				18
19	–	·02	·02	·07	–	·03	–	·10	·11	–	·15			19
20	·10	–	·11	·06	1·03	–	·04	·03	·01	·11	·02	·04		20
21	·03	–	·04	·08	·23	–	·21	·01	–	·10		·06		21
22	·14	–	·17	–	·02	–	·01	–	–	·07		·02		22
23	·26	–	·01	–	·04	·01	–	·01	–	·83	·02	·01		23
24	·36	–	–	·01	·03	–	·39	–	·08	·19				24
25	·22	·39	–	–	·04	–	–	·03	–	·27				25
26	·19	·32	·36	–	·58	–	–	–	–	–				26
27	·01	·84	·11	·03	–	·01	·03	–	–	·51		·01		27
28	·10	·04	·04	–	–	·02	–	·01	–	·11		·06		28
29	·20	X	–	–	–	–	–	·28	–	·09	·01	·05		29
30	·41	✕	–	–	–	·12	–	·53	·04	·03	·05	·01		30
31	·48	✕	–	✕	–	✕	–	·26	✕	·41	✕	·04		31
TOTAL	3·23	3·38	5·07	1·84	2·42	1·94	2·06	3·15	1·50	3·05	1·55	5·88	Year's Total 35·07 ✓	
* Days with .01 in. or more.	20	16	24	14	14	18	16	16	15	16	15	26	210 ✓	
* Days with .04 in. or more.	16	12	20	12	9	12	10	11	9 8	12	10	21	154 ✓	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3592

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Howick Hall Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 110 ft.

Copy by B.R.O.

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	·05				1·04	·11	—	·13		·04	·01		1
2	·11	—				·74	·08	—	·04	·42	—	·08		2
3	·06	—				·04	·09	—	·09	·73	·12	—		3
4	·16	—		·02			·24	·01	—	·07	·04	·45		4
5	—	·06					—	·04	·04	·01	—	—		5
6	·02	—	·02				·30	·10	·24	·08	—	—		6
7	—	—					·58	·11	·04	·04	·21	—		7
8	·17	—					·08	·03	—	·53	·64	·22		8
9	1·05	·07	·01		·13	·20	·05	—	·01		—	·37		9
10	·01	·02				·13	·01	—	·06		—	·08		10
11	·02	—			·05	·06	·16	—	·04	·01	·07	·08		11
12	·18	·05			·06		—	·45	—	·18	·16	·01		12
13	·02	·11					·07	·04	·17	·01	·11	·12		13
14	·21	—			·02		—	—	—		—	·05		14
15	·02	·06	·02				·05	·24	—	·05	—	·44		15
16	·28	·04			·01		·11	·01	·45	·05	·01	·38		16
17	—	—			·10		—	·10	—	·44	—	—		17
18	·01	·04	·03		·03	·11	—	·01	·27	·21	·24	·05		18
19	—	—	·03		·12	·02	—	—	·04		·01	·15		19
20	—	·01	·37				—	·01	·27		·23	·09		20
21	—	—	·02				—	·13	—		·03	·04		21
22	—	—	·10	·04			—	—	—	·01	·28	·13		22
23	—	—			·07	·19	—	—	·02		·18	·12		23
24	—	—		·08			·01	·98	·22	·39	·02	·05		24
25	—	—	·01		·07		·17	·08	—	·25	·07	·12		25
26	—	·14	·02	·02	·02	·03	·15	—	·01	·16	—	—		26
27	·08	·05			·23	·06	·30	·13	·01	·05	·01	·06		27
28	·02	—		·01	·55	·20	·05	—	·16		·01	·04		28
29	—	×		·04	·25		—	·01	—		·13	—		29
30	·06	×			·03		—	·05	·21		·05	—		30
31	·09	×		×	·34	×	—	—	×	·07	×	·38		31
TOTAL	2·59	·70	·63	·21	2·08	2·82	2·61	2·53	2·52	3·76	2·66	3·52	Year's Total 26·63	
* Days with .01 in. or more.	19	12	10	6	16	12	18	18	20	20	21	23	195	
* Days with .04 in. or more.	11	10	2	3	11	10	16	12	16	16	15	21	143	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) E. Woodman

[P.T.O.

1·34

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3592

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Howick Hall Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 110 ft.

May 11th entry adjusted to agree monthly total

Copy by B.R.O.

J-L. 400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·49	–	·04	–	–	–	–	·03	·56	·07	·01	·13		1
2	·32	–	·01	·10	–	–	·01	·10	·08	·04	·01	–		2
3	–	–	·02	·02	–	–	·05	·19	·14	·01	·06	·05		3
4	·29	·01	·25	–	–	–	·18	–	·06	·03	·45	·01		4
5	–	–	–	–	·30	–	·22	·18	–	·17	·42	·23		5
6	·24	–	·01	–	–	–	·30	–	–	·40	–	·08		6
7	·03	–	·01	–	·04	–	·01	·03	–	·05	–	·05		7
8	·31	·08	·07	·05	–	–	·07	·01	–	–	·04	·57		8
9	·01	·02	–	–	–	–	·45	·15	·05	·58	–	·08		9
10	–	–	·02	–	–	–	–	–	·85	·13	–	–		10
11	·30	·05	·29	–	–	·07	·01	·02	·17	·30	·05	·03		11
12	–	·01	–	–	–	·05	·28	–	·06	·44	·04	–		12
13	·01	·02	·08	·01	·26	·01	·12	–	·02	·06	–	–		13
14	1·35	–	·05	·03	·09	·21	·16	–	·03	·12	·05	·03		14
15	·12	·01	–	–	–	·76	–	–	–	·12	–	·14		15
16	·10	–	·04	–	·11	–	–	–	–	–	–	·02		16
17	·47	·01	–	·01	·12	·01	–	–	–	–	·03	–		17
18	·26	–	·10	–	–	·11	·06	–	–	·02	·25	–		18
19	·17	–	·01	–	·04	·32	–	–	·01	–	–	·03		19
20	–	–	·07	·06	–	·02	·01	·01	–	–	–	·01		20
21	·08	·25	·02	·23	–	–	–	·05	·01	–	–	–		21
22	·27	·30	–	·03	–	–	·03	–	–	·02	·04	–		22
23	·09	·06	–	·01	–	·09	·04	–	·02	–	–	–		23
24	–	·02	·15	·23	·10	·08	–	·01	–	·08	·03	–		24
25	·18	·01	·10	·12	–	–	–	·01	–	·15	·08	·15		25
26	·01	–	·02	·02	–	–		·24	·07	·34	·12	·04		26
27	·07	·06	·60	·03	–	·08	·04	·01	–	·06	–	·05		27
28	·05	·19	·27	·12	–	·05	·12	–	–	·01	·26	·07		28
29	·01		·03	–	–	–	·44	·06	–	·06	·01	·01		29
30	–		–	·02	–	·30	·06	·02	·14	·01	·35	–		30
31	–		·01		–		·17	–		·04		–		31
TOTAL	5·23	1·10	2·27	1·09	1·08	2·16	2·83	1·12	2·27	3·31	2·28	1·78	Year's Total 26.50	
* Days with .01 in. or more.	23	15	23	16	~~9~~ 8	14	21	16	15	24	18	19	212	
* Days with .04 in. or more.	18	7	13	7	8	11	16	7	10	18	13	12	140	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3592 ✓

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Howick Hall Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 110 ft.

BRITISH RAINFALL ORGANIZATION.

4-00

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	–	·02 sn	–	·02	–	–	·05	–	–	–	·02	·07		1
2	·08	–	–	·03	–	–	·16	–	–	–	·60	·07		2
3	–	·13	–	·17	–	–	·05	–	·01	·08	·01	·01		3
4	–	·55	–	·02	–	–	·08	–	–	·13	·07	·14		4
5	–	·03	–	–	·23	–	·04	·07	–	·12	·31	·14		5
6	09	·03	–	–	–	–	·03	–	–	·15	·55	·18		6
7	·11	·22	·02	–	·03	–	·24	·07	–	·01	–	·14		7
8	–	–	·03	–	–	·01	·02	·15	30	·15	·05	·04		8
9	–	–	36	–	–	–	37	–	–	·19	·32	–		9
10	–	–	–	·01	–	–	1·33	–	·08	–	·34	–		10
11	–	·15 sn	·55	–	–	–	·15	–	·14	–	·44	·04		11
12	–	–	·64	–	·01	·02	–	–	·15	–	·04	–		12
13	–	·52 sn	·03	–	–	–	1·06	·01	·12	·01	·03	·04		13
14	–	·10 sn	·01	·01	–	–	1·20	·02	29	03	–	·21		14
15	·21	–	–	–	·07	·17	–	–	–	–	·25	·02		15
16	·04	–	·02	–	–	–	·68	–	1·13	·20	–	·02		16
17	–	–	·08	–	–	–	1·25	–	·05	·16	·37	·01		17
18	–	–	·32	–	–	–	·03	·15	·04	–	·15	·04		18
19	–	·02	·01	·04	–	–	·13	·11	·21	–	·17	·05		19
20	–	·06	·01	·12	–	–	·05	·25	·01	–	·05	–		20
21	38	–	·12	·08	–	–	–	·13	–	34	–	–		21
22	27	–	·02	–	·04	·35	·03	·06	·13	·05	–	–		22
23	–	·10	·33	·12	–	·22	·15	–	–	·05	·06	·04		23
24	·14	·02	·03	·03	·08	·01	·01	–	·04	·12	–	·14		24
25	–	–	–	–	–	–	·09	–	–	–	–	·06		25
26	·18	·06	–	·01	·24	–	20	·15	·04	29	·02	·01		26
1·63 27	·01	·30	·30	·01	–	·05	–	–	–	·09	–	·02		27
28	03	·07	–	·04	–	–	–	·11	–	·02	·05	·01		28
29	·09	–	·31	·02	–	–	·02	–	–	01	·07	·19		29
30	·12	✕	–	–	·02	·02	–	–	–	·25	–	·50		30
31	·60	✕	·15	✕	·04	✕	–	–	✕	·17	✕	·24		31
TOTAL	2·35	2·38	3·34	·73	·76	·85	7·42	1·28	2·74	2·62	3·97	2·43	Year's Total 30·87	
* Days with .01 in. or more.	14	16	14	15	9	8	24	12	15	21	21	25	199	
* Days with .04 in. or more.	12	11	10	6	6	4	18	10	13	16	17	18	141	

† Spare column, no entries required.

(*Signed*) E. Woodman

P.T.O.

* See Instruction 3 (f) on other side.

X STAMFORD X

3592/2

ALNWICK, STAMFORD

1934 — 40

7A0702

~~[illegible] 39.~~

Section **A** for the entry of
AIR MINISTR

Station No. (3592)

ORGANIZATION.

FORM 1090. **REGIS**

X/North 5

[illegible] Dec appear about 1" low [illegible] there are no signs of [illegible] they should be [illegible]

97580/35

Kept at (Stamford

in the County of North

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea I

THE MORNING MEASU

An observer who does not conform to … *lowing*
year in the space on the right of th

Jan. 1, following

Date	Jan.	Feb.	Mar.									Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		-	·	-	·10	-	-	·26	-	·	-	-		1
2		·02	trace	-	-	-	-	·04	·11	·	·05	·15		2
3		·03	-	-	·	-	-	·	-	·04	·10	·09		3
4		-	trace	·03	·	·	-	·	-	·02	·19	·45		4
5		-	·17	·10	·15	·01	-	·	·	·	·12	·01		5
6		·	-	·07	·22	·15	-	1·06	·08	·04	·52	·14		6
7		·02	-	·05	·05	·03	-	·	·03	-	~~·41~~ ·03	·10		7
8		-	·10	-	·03	-	-	·02	·02	·04	~~-~~	·02		8
9		-	·05	·65	-	-	-	·07	·01	·01	·52	·02		9
10		·	·40	·55	-	-	-	·35	-	-	·41	-		10
11		-	·52	2·32	trace	-	-	·02	·	-	·13	·02		11
12		·	·49	·58	·06	-	·07	·24	·	-	·08	·16		12
13		-	·05	·06	trace	-	·26	·04	trace	·03	trace	·		13
14		-	·23	·	·08	-	·07	-	·04	·01	·03	·18		14
15	(1·00)	-	·12	trace	·24	·02	·	·03	·07	·16	·02	·13		15
16	·02	-	·22	-	·03	-	·	·	·	·07	·05	-		16
17	·03	·	·09	-	·04	-	·31	·	·35	·04	trace	·16		17
18	·34	-	·02	·12	trace	·09	·20	·03	-	-	-	trace		18
19	·	-	·22	·21	trace	·02	·02	·04	·02	·15	·04	·02		19
20	·	-	·31	-	trace	·04	-	·07	-	-	-	·		20
21	·	-	-	-	-	·89	-	·02	·03	·05	-	·		21
22	-	-	·	·01	·	·53	·03	·08	·10	·01	trace	·29		22
23	-	-	·06	·11	trace	-	·03	·10	·	-	trace	·24		23
24	-	trace	·	·04	·01	·12	-	-	·01	·49	-	·07		24
25	·02	·01	·	·01	-	-	·02	·26	trace	·12	·01	·67		25
26	·	·03	·	·33	-	·10	-	-	·05	·13	-	·04		26
27	·	·30	-	·14	-	·05	·04	-	·02	·10	·	·12		27
28	·	·05	·	·36	-	-	·20	·27	·05	-	·	·18		28
29	trace		·01	trace	-	·	·16	·17	·36	·76	·	·04		29
30	·05	✕	·03	-	-	-	·12	-	·05	1·0	-	trace		30
31	·12	✕	-	✕	·	✕	·	·07	✕	·01	✕	·03		31
TOTAL	(1·58)	·46	3·09	5·74	1·01	2·05	1·53	3·24	1·40	3·28	2·30	3·33	Year's Total (29·01)	
*Days with ·01 in. or more.	(13)	7	17	18	11	12	13	20	17	20	15	23	(186)	
*Days with .04 in. or more.	(8)	2	14	15	8	8	9	15	10	14	11	17	(131)	

Observations commenced 9 in January 1934

40-9999
*See Instruction 2 (*f*) on other side.

N

† Spare column, no entries required.

(*Signed*) W. Robertson

X W. ROBERTSON ESQ X

[P.T.O.

X STAMFORD X ~~no 966309/29~~

Section **A** for the entry of Daily Observations. Station No. 3592/

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

x / North 5

Kept at (Stamford) Alnwick

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 3 ft 8 in.

,, Ground ,, Sea Level 175½ ft.

Early January estimated by surrounding Stns. D.

c.1934

f. 397580/35

(Nov + Dec appear about 1" low but there are no signs of [illegible] — they should be [illegible])

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Observations commenced in January 1934

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1		-	·	-	·10	-	-	·26	-	·	-	-		1
2		·02	trace	-	-	-	-	·04	·11	-	·05	·15		2
3		·03	-	-	-	-	-	·	-	·04	·10	·09		3
4		-	trace	·03	-	·	-	·	-	·02	·19	·45		4
5		-	·17	·10	·15	·01	-	·	·	-	·12	·01		5
6		-	-	·07	·22	·15	-	1·06	·08	·04	·52	·14		6
7		·02	-	·05	·05	·03	-	-	·03	-	~~·11~~ ·03	·10		7
8		-	·10	-	·03	-	-	·02	·02	·04	-	·02		8
9		-	·05	·65	-	-	-	·07	·01	·01	·52	·02		9
10		·	·40	·55	-	-	-	·35	-	-	·41	-		10
11		-	·52	2·32	trace	-	-	·02	·	-	·13	·02		11
12		-	·49	·58	·06	-	·07	·24	·	-	·08	·16		12
13		-	·05	·06	trace	-	·26	·04	trace	·03	trace	-		13
14		-	·23	·	·08	-	·07	-	·04	·01	·03	·18		14
15	(1·00)	-	·12	trace	·24	·02	·	·03	·07	·16	·02	·13		15
16	·02	-	·22	-	·03	-	·	·	·	·07	·05	-		16
17	·03	-	·09	-	·04	-	·31	·	·35	·04	trace	·16		17
18	·34	-	·02	·12	trace	·09	·20	·03	-	-	-	trace		18
19	·	-	·22	·21	trace	·02	·02	·04	·02	·15	·04	·02		19
20	-	-	·31	-	trace	·04	-	·07	-	-	-	·		20
21	·	-	-	-	-	·89	-	·02	·03	·05	-	·		21
22	-	-	·	·01	·	·53	·03	·08	·10	·01	trace	·29		22
23	-	-	·06	·11	trace	-	·03	·10	·	-	trace	·24		23
24	-	trace	-	·04	·01	·12	-	-	·01	·49	-	·07		24
25	·02	·01	·	·01	-	-	·02	·26	trace	·12	·01	·67		25
26	-	·03	·	·33	-	·10	-	-	·05	·13	-	·04		26
27	-	·30	-	·14	-	·05	·04	-	·02	·10	·	·12		27
28	·	·05	-	·36	-	-	·20	·27	·05	-	-	·18		28
29	trace		·01	trace	-	-	·16	·17	·36	·76	-	·04		29
30	·05	✗	·03	-	-	-	·12	-	·05	1·0	-	trace		30
31	·12	✗	-	✗	·	✗	·	·07	✗	·01	✗	·03		31
TOTAL	(1·58)	·46	3·09	5·74	1·01	2·05	1·53	3·24	1·40	3·28	2·30	3·33	Year's Total (29·01)	
*Days with ·01 in. or more.	(13)	7	17	18	11	12	13	20	17	20	15	23	(186)	
*Days with ·04 in. or more.	(8)	2	14	15	8	8	9	15	10	14	11	17	(131)	

40-9999

*See Instruction 2 (*f*) on other side.

N

† Spare column, no entries required.

(*Signed*) W. Robertson

X W. ROBERTSON ESQ X

[P.T.O.

966309/82

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at STAMFORD ALNWICK

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground 3 ft 8 in.

,, Ground ,, Sea Level ? ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·24	-	·47	·06	-	-	·08	-	·26	-	-	-		1
2	-	-	trace	·12	-	·06	-	-	-	·53	-	-		2
3	-	·07	·11	·09	-	·15	·06	-	-	-	·26	-		3
4	-	trace	·04	·01	-	·26	·04	-	-	·38	·14	-		4
5	·21	-	trace	trace	-	·01	-	-	·06	·33	·02	-		5
6	·07	trace	-	-	-	·07	-	-	·02	·12	·01	-		6
7	·27	-	-	·17	-	·06	-	-	[illegible]	·06	·18	·02		7
8	·06	-	trace	·24	-	·03	-	-	-	·01	·07	-		8
9	·01	·08	-	·22	-	-	-	-	-	·11	·20	·03		9
10	-	·03	-	·17	-	·11	trace	-	-	trace	·06	-		10
11	·15	trace	-	-	-	·04	-	·60	trace	-	·02	·02		11
12	-	·01	-	-	-	·06	-	-	-	-	-	trace		12
13	·06	·04	-	-	·33	·02	·02	-	·01	-	-	·04		13
14	-	-	trace	·07	-	·09	-	-	·03	·04	·25	·11		14
15	-	·05	-	·30	·09	·09	-	·07	·01	·02	·01	·08		15
16	-	·20	·06	·24	·41	·52	·01	·42	·38	·01	·26	·41		16
17	-	·02	trace	·40	·25	trace	·03	-	·02	-	·88	·32		17
18	-	trace	-	-	·07	·07	·06	-	·07	·07	·01	·05		18
19	·03	·05	-	trace	-	·21	·12	-	-	·02	-	·01		19
20	-	·01	-	·33	-	·04	·03	-	-	-	-	-		20
21	-	·01	·19	·11	-	-	-	-	·46	·25	-	-		21
22	-	·27	·09	·48	-	-	-	-	·17	-	·02	-		22
23	·01	-	·01	·01	-	-	-	-	·14	·04	-	-		23
24	·01	·11	·14	trace	-	-	-	-	-	-	-	·45		24
25	·10	·04	·01	trace	-	·03	trace	-	-	-	-	·10		25
26	·25	-	-	·05	·02	·05	·02	1·24	·34	·30	-	·47		26
27	·15	·08	-	-	-	·02	·13	·02	·08	·19	·10	·09		27
28	·03	-	trace	-	-	-	-	-	·02	·13	-	-		28
29	-		·23	-	-	·02	-	·01	·03	·01	-	·18		29
30	-	×	·01	-	-	·12	-	·87	·23	·26	·42	trace		30
31	-	×	-	×	-	×	-	-	×	trace	×	·23		31
TOTAL	1·65	1·07	1·36	3·07	1·17	2·13	·60	3·23	2·33	2·88	2·91	2·61	Year's Total. 25·01	
* Days with .01 in. or more.	15	15	11	17	6	22	11	7	17	19	17	16	173	
* Days with .04 in. or more.	10	10	8	15	5	16	5	5	10	11	11	12	121	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*)

[P.T.O.

397580/35

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592/2.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Stamford Alnwick

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 5 ft. 8 in.

,, Ground ,, Sea Level 175 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·34	·66	·40	-	-	·03	·07	·26	·42	·03	-	-		1
2	·11	·20	·01	-	-	·01	·03	·01	·05	-	·03	·13		2
3	-	-	-	-	-	·81	·21	·02	·20	-	-	-		3
4	·43	-	·02	-	·02	·01	-	·03	·09	·02	·02	-		4
5	·17	-	-	-	·07	·04	-	·06	·02	-	-	-		5
6	·08	-	-	·04	-	-	·09	·32	·33	·02	·13	-		6
7	·06	-	·04	-	trace	-	·27	-	·01	-	·07	·05		7
8	·16	-	·22	-	-	-	-	-	-	·20	·01	·01		8
9	·55	trace	·70	-	-	·13	·02	·01	·05	·12	·35	-		9
10	·12	-	-	·02	-	trace	·08	-	-	·01	trace	-		10
11	-	-	-	·11	-	-	-	·10	·02	·02	·30	·03		11
12	·02	-	-	·15	·17	·03	·02	·02	·27	·02	·29	·03		12
13	trace	-	-	·22	-	trace	·26	-	trace	·18	·03	·45		13
14	-	-	-	·22	-	·41	·04	-	·31	-	trace	·25		14
15	-	-	-	·14	-	·06	·12	·10	-	-	·04	trace		15
16	trace	-	trace	·03	-	-	-	-	-	-	·16	~~trace~~		16
17	·06	·23	-	-	·11	-	·19	-	-	·10	·94	·03		17
18	-	·13	-	·02	-	-	-	·02	trace	·18	-	·03		18
19	·23	·20	-	-	-	-	·12	-	-	·20	-	-		19
20	·18	·06	-	-	-	-	·02	-	-	·01	-	·01		20
21	·22	trace	-	-	trace	-	·07	-	-	-	-	·16		21
22	-	·21	·03	-	·18	·03	·02	-	-	-	-	-		22
23	-	·06	trace	·09	trace	·01	·36	-	-	-	-	-		23
24	·02	·17	·01	-	·54	[illegible]	-	-	·70	·08	-	-		24
25	·29	trace	·05	-	·03	-	·08	-	·02	-	-	-		25
26	·05	·05	·04	-	trace	-	·09	-	·07	·07	-	-		26
27	·01	-	·12	-	-	-	-	-	·05	-	·05	-		27
28	·07	·33	-	-	-	-	·02	-	·01	-	·02	-		28
29	·75	·41	·35	-	·02	·49	·01	-	-	·19	-	trace		29
30	·02	✕	-	-	-	·02	·38	-	-	·09	-	-		30
31	-	✕	·06	✕	trace	✕	-	-	✕	-	✕	-		31
TOTAL	3·94	2·71	2·05	1·04	1·14	2·08	2·57	·95	2·62	1·54	2·44	1·18	Year's Total 24·26	✓
* Days with .01 in. or more.	21	12	13	10	8	13	22	11	16	17	14	11	168	✓
* Days with .04 in. or more.	17	12	9	7	5	6	15	5	11	10	9	5	111	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) W. Robertson

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Stamford, Alnwick.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 5 ft. 8 in.

,, Ground ,, Sea Level 175 ft.

397580/35

written 5/1/38

G. to be lowered to 1 foot (see letter on file)

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.04	.10	.44	.01	.02	.29	.01	–	.21	.12	trace	.05		1
2	–	.08	.06	.08	–	.13	–	–	.02	.01	–	.14		2
3	–	.16	trace	.05	.05	.17	.68	–	–	–	–	.09		3
4	.12	trace	.08	–	.12	.04	.04	.55	–	–	–	.17		4
5	.01	–	.10	trace	.15	–	.03	–	.05	–	–	.23		5
6	–	–	.20	.03	.03	–	.01	–	.03	–	.23	.11		6
7	–	.05	.05	.05	–	.03	.06	–	–	–	.10	.55		7
8	–	.52	.18	–	–	–	.06	–	–	.01	.09	.25		8
9	–	trace	.12	.44	–	–	.14	.10	–	–	.17	.12		9
10	–	–	.11	trace	.05	–	.04	–	.03	–	.31	.55		10
11	–	–	.47	–	–	.04	–	–	.01	–	–	.96		11
12	.12	.20	1.12	.04	–	–	–	.17	.04	–	.03	.24		12
13	–	.05	.34	–	.04	.04	.04	.09	.12	–	.04	.59		13
14	–	trace	.05	trace	–	.39	tr	.55	.03	–	.01	.36		14
15	.10	.32	.02	.26	–	–	.08	–	.03	–	.02	.18		15
16	.03	.03	.48	.57	.01	.05	–	.05	.02	–	.06	.32		16
17	.16	.01	.21	.02	–	.09	–	[illegible]	.32	–	–	.18		17
18	–	.02	.01	–	–	.15	tr	.16	–	–	–	–		18
19	–	.01	.01	.02	–	.02	–	.10	.04	–	.16	–		19
20	.08	–	.05	.04	1.45	–	.03	.03	.01	.08	.03	.06		20
21	.02	–	.03	.07	.09	–	.17	–	–	.08	–	.06		21
22	.10	–	.14	–	.01	–	.02	–	–	.06	–	.02		22
23	.22	–	.01	–	.03	.01	–	.01	–	.75	–	.01		23
24	.31	–	–	–	.10	–	.34	–	.07	.22	–	.01		24
25	.23	.37	trace	–	.01	–	–	.02	–	.20	–	–		25
26	.18	.25	.40	–	.40	–	–	–	–	trace	–	–		26
27	.01	.89	.07	.02	–	–	.02	–	–	.42	–	trace		27
28	.12	.03	.06	–	–	–	–	.02	–	.10	–	.03		28
29	.19		–	–	–	.06	–	.23	–	.08	trace	.10		29
30	.39	✕	–	–	–	.04	–	.51	–	.01	.05	.02		30
31	.44	✕	–	✕	–	✕	–	.25	✕	.40	✕	.01		31
TOTAL	2.87	3.09	4.81	1.70	2.56	1.55	1.77	2.84	1.03	2.54	1.30	5.41	Year's Total 31·47	✓
* Days with .01 in. or more.	19	16	25	14	15	15	16	15	15	14	13	26	203	✓
* Days with .04 in. or more.	15	11	20	9	9	12	10	11	7	11	9	20	144	✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) W Robertson

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3593/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Stamford, Alnwick.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 5 ft. 8 in.

,, Ground ,, Sea Level 175 ft.

letter written 5/39

1937 very ~~big~~ low

3.97580/35

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	.05	-	-	-	.84	.17	-	.19	-	.04	-		1
2	.08	-	-	.01	-	.70	.07	-	.04	.39	.10	.07		2
3	.17	-	-	-	-	.04	.01	-	.05	.60	-	-		3
4	.15	-	-	.01	-	-	.11	.02	-	.09	.04	.61		4
5	-	.06	.01	-	-	-	-	.08	.03	.01	~~x10~~	-		5
6	.01	-	-	-	-	.01	.35	.11	.24	.10	tr	-		6
7	-	-	-	-	-	-	.52	.05	.04	.04	.30	-		7
8	.22	-	-	-	-	-	.07	.04	-	.43	.63	.21		8
9	.85	.10	-	-	.11	.12	.01	-	.01	-	-	.68		9
10	.04	.02	-	-	.03	.08	-	tr	.10	-	-	.08		10
11	.02	-	-	-	-	.11	.04	-	-	.01	.08	.07		11
12	.16	.11	-	-	.05	-	-	.81	-	.17	.17	.01		12
13	.03	.15	-	-	-	-	.04	.05	.16	-	.08	.09		13
14	.26	-	-	-	.01	-	-	-	-	-	-	.03		14
15	.07	.08	.02	-	-	-	.05	.25	-	(.03	-	.40		15
16	.14	.03	-	-	-	-	.10	.01	.42	(.04	-	.40		16
17	-	-	-	-	.04	-	-	.11	.01	.33	-	-		17
18	-	.04	.03	-	trace	.09	-	.01	.20	.19	.23	.02		18
19	-	-	.02	-	.10	trace	trace	.01	.03	-	-	.21		19
20	-	-	.29	-	-	-	-	.01	.18	-	.19	.14		20
21	-	-	.01	-	-	-	-	.17	-	-	.02	.06		21
22	-	-	.03	.01	.07	-	-	-	-	.01	.25	.08		22
23	-	-	-	-	.14	.17	-	-	.01	-	.17	.09		23
24	-	-	-	.07	trace	-	-	.91	.17	.38	.05	.05		24
25	-	-	-	.02	.07	-	.17	.01	-	.26	.03	.12		25
26	-	x12	-	.01	.03	.04	.08	-	.02	.12	-	-		26
27	.07	.06	-	.01	.22	.04	.28	.10	.02	.08	-	.06		27
28	.03	-	-	-	.55	.16	.01	-	.19	.01	.01	.04		28
29	-		-	.01	.09	-	-	-	-	-	.12	-		29
30	.06	✕	-	-	.04	-	-	.10	.24	-	.06	-		30
31	.12	✕	-	✕	.31	✕	-	-	✕	.06	✕	.71		31
TOTAL	2.48	.82	.41	.15	1.86	2.40	2.08	2.85	2.35	3.35	2.57 ~~xxxx~~	4.23	Year's Total 25.55	
* Days with .01 in. or more.	17	11	7	8	15	12	16	18	20	20	18	22	184	
* Days with .04 in. or more.	13	9	1	1	12	11	13	12	13	15	15	19	134	

Do not print SB

25/4/39

Record still low

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed)

[P.T.O.

8.12

0

10 20

15.40

21.52

STAMFORD

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3592/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Stamford., Alnwick.
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 175 ft.

Queries sent on 4th [illegible] month. Observer's figures [illegible] the values are to be adopted.

Entry on Nov 30th adjusted by reference to nearby stn. f 397580/35 AB

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.37	–	.02	–	–	–	.01	.04	.17	.02	–	.11		1
2	.27	–	tr	.13	–	–	.01	.11	.09	–	.03	–		2
3	.01	–	.01	.03	–	–	.03	.03	.10	.04	.06	.03		3
4	.33	–	.21	–	–	–	.13	–	.04	.03	.38	.10		4
5	–	–	–	–	.59	–	.21	.16	–	.22	.36	.12		5
6	.17	–	.02	–	tr	–	.26	tr	–	.40	tr	.12		6
7	–	–	.02	–	–	–	–	.01	–	.05	–	.05		7
8	.26	.08	.06	.04	tr	–	.07	.02	–	.01	.04	.61		8
9	.02	.02	–	tr	–	–	.49	.17	.05	.57	–	.06		9
10	–	–	.02	–	–	.01	–	tr	.95	.19	.01	–		10
11	.27	.02	.26	–	.03	.08	.01	–	.01	.23	.04	.03		11
12	–	.01	tr	–	–	.03	.26	–	.04	.33	.02	tr		12
13	–	.02	.06	–	.27	tr	.08	–	.04	.08	tr	–		13
14	.75	–	.09	.02	.12	.16	.15	–	.04	.13	.06	.03		14
15	.05	–	–	–	tr	.56	–	–	tr	.13	–	.12		15
16	.14	–	.04	–	.11	–	–	–	–	–	–	.02		16
17	.92	.02	–	–	.10	–	.03	–	–	–	.02	–		17
18	.29	–	.12	–	–	.12	.07	–	–	.03	.22	–		18
19	.15	–	–	–	.04	.42	–	–	–	–	tr	.01		19
20	tr	–	.10	.07	.01	.01	.03	.01	–	–	–	–		20
21	.07	.39	.03	.20	–	–	–	.04	.02	.01	–	–		21
22	.26	.26	–	.01	–	–	.02	–	–	–	.02	–		22
23	.09	.08	–	.02	–	.09	.02	tr	–	–	–	–		23
24	–	.02	.17	.30	.11	.07	–	.02	–	.08	.02	–		24
25	.12	.02	.06	.11	–	–	–	.01	–	.18	.07	.15		25
26	.05	–	.02	.01	–	–	–	.13 ~~.03~~	–	.47	.11	.02		26
27	.01	.08	.92	.03	–	.09	.04	.02	–	.07	tr	.02		27
28	.02	.15	.25	.11	–	.02	.10	–	–	tr	.21	.12		28
29	.01		.03	–	–	.03	.67	.03	–	.07	.01	.01		29
30	tr	✕	.01	.03	–	.10	.03	–	.28	tr	(.35) ~~.08~~	–		30
31	–	✕	–	✕	–	✕	.16	–	✕	.01	✕	–	25.22	31
TOTAL	4.63	1.17 ~~.94~~	2.52	1.11	1.38	1.79	2.88	.80	1.83	3.35	2.03 ~~1.76~~	1.73	Year's Total ~~24.95~~	
* Days with .01 in. or more.	22	13	21	14	9	14	22	14	12	22	18	18	199	
* Days with .04 in. or more.	17	6	12	7	7	9	13	6	10	16	11	10	124	

W. ROBERTSON, Esq.

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) W Robertson

[P.T.O.

COPY FOR OFFICIAL USE File No 397580/35

Section **A** for the entry of Daily Observations Station No. 3592/2

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193 40

Kept at Stamford Alnwick.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. – in.

,, Ground ,, Sea Level 175 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	(.08)	.03	–	.01	–	–	.03	–	–	–	–	.06		1
2	–	–	–	.04	–	–	.13	–	–	–	.59	.04		2
3	–	.17	–	.16	–	–	.06	–	–	.08	–	–		3
4	–	.51	–	.03	–	–	.11	–	–	.13	.05	.11		4
5	(.06)	.03	tr	–	.23	–	.03	.10	–	.10	.29	.14		5
6	(.11)	.02	–	–	–	–	.01	–	–	.07	.30	.23		6
7	x	.24	.02	–	.01	–	.32	.08	–	.01	–	.07		7
8		tr	.03	–	–	–	.01	.12	.28	.22	.03	.10		8
9		–	.35	–	–	–	.33	.01	–	.14	.29	tr		9
10		.01	.01	–	–	.02	.98	tr	.07	–	.31	tr		10
11		.12	.51	–	–	–	.14	–	.14	–	.45	tr		11
12		tr	.61	–	–	.01	–	–	.16	–	.05	–		12
13		.55	.02	–	–	–	1.03	.01	.13	–	.02	.01		13
14		.08	.01	tr	–	–	1.42	.02	.24	.03	–	.17		14
15	4	–	–	–	.04	.24	–	–	tr	tr	.25	tr		15
16	4	.01	–	–	–	–	.43	–	.99	.21	–	.02		16
17		–	.07	–	–	–	.63	–	.06	.10	.22	tr		17
18		tr	.24	–	–	–	.03	.14	.05	–	.12	.02		18
19		.04	tr	.03	–	–	.44	.12	.16	–	.12	.07		19
20		–	–	.16	–	–	.12	.23	.01	–	.04	–		20
21	4	.01	.11	.08	–	.36	tr	.11	–	.35	–	–		21
22	4 x .76	.01	.03	tr	.03	.30	.02	.05	.14	.09	–	–		22
23	–	.09	.21	.10	.01	–	.07	–	–	.04	.08	.01		23
24	.11	.02	tr	.04	.27	–	.01	–	.02	.04	–	.12		24
25	.01	–	tr	–	.01	–	.03	–	–	–	–	.04		25
26	.14	.05	–	.06	.21	–	.16	.13	.04	.22	.01	.01		26
27	.02	.27	.16	.01	tr	.02	tr	–	–	.09	.06	.03		27
28	.03	.08	–	.03	–	–	–	.10	–	.05	–	.01		28
29	.11	.01	.30	.10	–	.01	.02	–	–	.01	.01	.20		29
30	.12	X	–	–	.02	–	–	–	–	.16	–	.53		30
31	.58	X	.16	X	.03	X	–	–	X	.14	X	.25		31
TOTAL	2.13	2.35	2.84	.85	.86	.96	6.56	1.22	2.49	2.28	3.29	2.24	Year's Total 28.07	
* Days with .01 in. or more.	15 ~~12~~	20	16	13	10	7	24	13	14	20	19	21	~~189~~	192
* Days with .04 in. or more.	12 ~~9~~	11	10	8	4	3	15	10	12	17	15	14	~~128~~	131

* See Instruction 3 (f) on other side. 8·17 9·03 9·99

† Spare column, no entries required.

16·55 (Signed) [illegible] [P.T.O.

X DOXFORD HALL /34

Section **A** for the entry o
AIR MINISTR

Station No. 3592/3
ORGANIZATION.

FORM 1090.

REGI

34. x | North | 5

Kept at Doxford. G
in the County of North

C1934

Diameter of Funnel of Gauge
Height of top of Gauge above Grou
,, Ground ,, Sea

THE MORNING MEASU

An observer who does not conform ... *following*
year in the space on the right of

Jan. 1, following

3592/3

DOXFORD HALL

1934 — 40

780702

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·4				·6									1
2		·2	·1					·37	·12			·20		2
3		·3						·6		·3	·19	·6		3
4	·4			·5						·4	·13	1·03		4
5			·23	·15				·2			·37	·4		5
6	·9			·9	·45	·14		1·18	·6	·6	·83	·14		6
7				·12	·5	·3			·6	·1	·9	·11		7
8			·14		·8			·2	·2	·9		·5		8
9			·5	·68					·2	·3	·50	·2		9
10			·54	·39				·62	·1		·33			10
11	·3		·57	2·02							·14	·3		11
12	·1		·57	·61	·10		·2	·19			·10			12
13	·25		·4	·8			·20	·12		·4				13
14	·40		·28	·1	·8	·1	·11				·10	·38		14
15	·0		·21	·1	·30	·2		·4	·7	·36	·3	·20		15
16	·5		·22		·8					·12	·10			16
17	·5		·5		·2		·50		·43	·6	·4	·21		17
18	·26		·2	·20			·43	·3						18
19			·20	·20		·12	·3		·2	·14	·11	·7		19
20			·38		·1	·6		·15						20
21						1·62		·22		·3				21
22				·8		·68		·4	·18	·4	·2	·36		22
23			·6	·11				·2			·1	·26		23
24		·2	·2	·4	·1	·10			·3	·53				24
25	·1	·1					·4	·3	·4	·16	·2	·95		25
26				·17		·10			·1	·10		·14		26
27		·20		·13		·8				·24		·13		27
28				·49			·35	·29	·1			·18		28
29			·2				·20	·14	·40	·85		·7		29
30		×	·1				·5		·1	1·18		·1		30
31	·21	×		×		×			×		×	·7		31
TOTAL	1·44	·28	3·62	5·63	1·24	2·96	1·93	3·54	1·49	4·11	3·11	4·71	Year's Total. 34·06	
* Days with .01 in. or more.	12	5	19	19	11	11	10	17	16	19	17	22	178	
* Days with .04 in. or more.	10	1	14	17	8	8	8	12	8	15	13	19	133	

40-9999

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(Signed) X RT. HON. WALTER RUNCIMAN P.C. X

[P.T.O.

X DOXFORD HALL /34

Section **A** for the entry of Daily Observations. Station No. 3592/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

Form 1090.

REGISTER OF RAINFALL IN 1934.

X | No. H. | 5

Kept at Doxford Gardens.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level 150 ft.

Back years 1928 – 1933, very good

Days.

C1934

very good record print

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·4				·6									1
2		·2	·1					·37	·12			·20		2
3		·3						·6		·3	·19	·6		3
4	·4			·5						·4	·13	1·03		4
5			·23	·15				·2			·37	·4		5
6	·9			·9	·45	·14		1·18	·6	·6	·83	·14		6
7				·12	·5	·3			·6	·1	·9	·11		7
8			·14		·8			·2	·2	·9		·5		8
9			·5	·68					·2	·3	·50	·2		9
10			·54	·39				·62	·1		·33			10
11	·3		·57	2·02							·14	·3		11
12	·1		·57	·61	·10		·2	·19			·10			12
13	·25		·4	·8			·20	·12		·4				13
14	·40		·28	·1	·8	·1	·11				·10	·38		14
15	·0		·21	·1	·30	·2		·4	·7	·36	·3	·20		15
16	·5		·22		·8					·12	·10			16
17	·5		·5		·2		·50		·43	·6	·4	·21		17
18	·26		·2	·20			·43	·3						18
19			·20	·20		·12	·3		·2	·14	·11	·7		19
20			·38		·1	·6		·15						20
21						1·62		·22		·3				21
22				·8		·68		·4	·18	·4	·2	·36		22
23			·6	·11				·2			·1	·26		23
24		·2	·2	·4	·1	·10			·3	·53				24
25	·1	·1					·4	·3	·4	·16	·2	·95		25
26				·17		·10			·1	·10		·14		26
27		·20		·13		·8				·24		·13		27
28				·49			·35	·29	·1			·18		28
29			·2				·20	·14	·40	·85		·7		29
30		✕	·1				·5		·1	1·18		·1		30
31	·21	✕		✕		✕			✕		✕	·7		31
TOTAL	1·44	·28	3·62	5·63	1·24	2·96	1·93	3·54	1·49	4·11	3·11	4·71	Year's Total. 34·06	
* Days with .01 in. or more.	12	5	19	19	11	11	10	17	16	19	17	22	178	
* Days with .04 in. or more.	10	1	14	17	8	8	8	12	8	15	13	19	133	

print

40-9999

* See Instruction 2 (f) on other side.

† Spare column, if entries required.

X RT HON. WALTER RUNCIMAN, P.C. X

(Signed) T. G. Kearon

[P.T.O.

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Section **A** for the entry of Daily Observations. Station No. 3592/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Doxford Gardens.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·29		·71	·3			·6		·24	·1				1
2			·1	·10		·13			·1	·68				2
3		14	·22	·10		·14	·5				·26			3
4			·2	·2		·26	·20			·28	·16			4
5	·8	·2				·2			·6	·29	·5			5
6	·6					·9			·7	·38				6
7	·30			·19		·10				·6	·19	·2		7
8			·1	·21		·13					·13	·4		8
9		·10		·28						·13	·28	·6		9
10		·5		·17		·10				·1	·5			10
11	·15	·2				·5		·61			·3	·4		11
12		·2				·13						·1		12
13	·6	·5			·30	·1	·10		·2			·8		13
14				·6		·9			·3	·14	·24	·11		14
15		·11		·36	·20	·20		·10	·1	·9	·2	·11		15
16		·22	·6	·25	·42	1·08	·6	·31	·64	·1	·24	·32		16
17				·42	·57	·4	·2	·1	·4		·93	·26		17
18	·7	·3			·5	·1			·9	·15	·5	·10		18
19	·4	·15				·22	·35			·6		·3		19
20		·4		·52		·7	·17							20
21		·5	·19	·29			·4		·50	·29				21
22		·30	·9	·59					·25		·15			22
23	·3								·26	·25				23
24		·12	·16					·2				·35		24
25	·14	·1	·1								·1	·26		25
26	·26			·5	·2	·4	·3	1·37	·35	·26		·45		26
27	·25	·14		·1		·4	·5	·5	·11	·32	·9	·7		27
28	·1		·3				·9		·1	·14				28
29			·25			·3		·1	·9	·7		·19		29
30		×	·1			·15		1·04	·28	·22	·45			30
31		×		×		×			×	·1	×	·21		31
TOTAL	1·74	1·47	1·77	3·65	1·56	3·13	1·22	3·52	3·06	3·65	3·33	2·71	Year's Total. 30·81	
* Days with .01 in. or more.	13	17	13	17	6	22	12	9	18	21	17	18	183	
* Days with .04 in. or more.	11	12	7	14	5	18	10	6	13	17	14	15	142	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) T. G. Keason

P.T.O.

January 1936.

1st	·36	6th	·10
2nd	·16	7th	·9
4th	·37	8th	·11
5th	·19	9th	·66

2·04

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592/3.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

This 2nd copy was received 21/9/36.

Kept at Doxford Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

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Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·29		·71	·3			·6		·24	·1				1
2			·1	·10		·13			·1	·68				2
3		·4	·22	·10		·14	·5				·26			3
4			·2	·2		·26	·20			·28	·16			4
5	·8	·2				·2			·6	·29	·5			5
6	·6					·9			·7	·38				6
7	·30			·19		·10				·6	·19	·2		7
8			·1	·21		·13					·13	·4		8
9		·10		·28						·13	·28	·6		9
10		·5		·17		·10				·1	·5			10
11	·15	·2				·5		·61			·3	·4		11
12		·2				·13						·1		12
13	·6	·5			·30	·1	·10		·2			·8		13
14				·6		·9			·3	·14	·24	·11		14
15		·11		·36	·20	·20		·10	·1	·9	·2	·11		15
16		·22	·6	·25	·42	1·08	·6	·31	·64	·1	·24	·32		16
17				·42	·57	·4	·2	·1	·4		·93	·26		17
18	·7	·3			·5	·1			·9	·15	·5	·10		18
19	·4	·15				·22	·35			·6		·3		19
20		·4		·52		·7	·17							20
21		·5	·19	·29			·4		·50	·29				21
22		·30	·9	·59					·25		·15			22
23	·3								·26	·25				23
24		·12	·16					·2				·35		24
25	·14	·1	·1								·1	·26		25
26	·26			·5	·2	·4	·3	1·37	·35	·26		·45		26
27	·25	·14		·1		·4	·5	·5	·11	·32	·9	·7		27
28	·1		·3				·9		·1	·14				28
29			·25			·3		·1	·9	·7		·19		29
30		×	·1			·15		1·04	·28	·22	·45			30
31		×		×		×			×	·1	×	·21		31
TOTAL	1·74	1·47	1·77	3·65	1·56	3·13	1·22	3·52	3·06	3·65	3·33	2·71	Year's Total. 30·81	
* Days with .01 in. or more.	13	17	13	17	6	22	12	9	18	21	17	18	183	
* Days with .04 in. or more.	11	12	7	14	5	18	10	6	13	17	14	15	142.	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

½ yr = 13·32

(*Signed*)

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3592/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Doxford Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·36	·76	·29			·21	·10	·35	·48	·1	·2			1
2	·16	·25	·4				·3	·2	·7		·7	·24		2
3						1·13	·18	·3	·61		·3			3
4	·37		·5					·20	·20	·6				4
5	·19				·4	·4		·8	·2		·1			5
6	·10			·3	·6		·6	·28	·32	·1	·17	·3		6
7	·9		·4				·26		·2		·9	·1		7
8	·11		·13							·16	·1			8
9	·66		·66			·20	·6	·3	·5	·3	·39			9
10	·13			·1			·7							10
11				·14		·2		·8		·4	·43	·2		11
12	·3			·21	·24	·2		·2	·34	·2	·17	·2		12
13				·19			·45			·17	·3	·69		13
14		·2		·20		·24	·2	·1	·37			·21		14
15				·9		·10	·35				·7			15
16	·4		·2			·1		·5			·17	·1		16
17	·14	·31		·1			·20			·9	·97	·5		17
18		·19		·2				·3	·2	·20	·1	·3		18
19	·26	·26					·14			·23				19
20	·29	·9	·1				·2			·2		·7		20
21	·25	·6		·1		·3	·43					·15		21
22		·25	·3		·12		·2							22
23		·8		·9		·3	·44							23
24	·2	·20	·1		·56				·65	·11				24
25	·25		·6		·4		·10		·2					25
26	·4	·7	·6				·1			·8				26
27	·5	·1	·16		·1				·9	·1	·5			27
28	·5	·33					·2				·6			28
29	·88	·46	·32		·5	·46				·22		·2		29
30	·1	✕				·2	·41			·9				30
31		✕	·4	✕	·1	✕			✕		✕	·1		31
TOTAL	4·48	3·34	1·92	1·00	1·13	2·51	3·37	1·18	3·26	1·55	2·75	1·56	Year's Total 28·05	✓
* Days with .01 in. or more.	22	15	15	11	9	13	20	12	14	17	17	14	179	✓
* Days with .04 in. or more.	19	13	12	6	7	7	14	6	10	11	11	6	122	✓

✓

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) T. G. Reason. [P.T.O.

Section **A** for the entry of Daily Observations

Station No. 3592/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937.

File 389619/35

Kept at Doxford Gardens

in the County of North'ld

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		·13	·48	·3		·23			·23	·11		·10		1
2		·9	·5	·14						·3		·11		2
3		·14		·11	·22	·11	·64					·34		3
4	·11	·1	·14		·14	·20	·14	·65				·12		4
5	·1		·15	·1	·20	·1	·7		·6			·26		5
6			·12	·7	·4		·1		·7		·18	·7		6
7		·9	·16	·8		·2	·7		·1		·9	·82		7
8		·52	·29	·1			·14			·4	·8	·33		8
9			·27	·26		·1	·31	·13			·10	·8		9
10			·9		·7		·8		·3		·36	·52		10
11			·37	·1		·2			·1			·77		11
12	·11	·20	·90	·8				·7	·4		·3	·11		12
13		·7	·43		·13	·4	·9	·7	·12		·2	·92		13
14			·14	·1	·1	·47	·1	1·7	·4			·53		14
15	·13	·28	·2	·32			·7		·3		·1	·15		15
16	·2	·6	·65	·57	·1	·2		·9			·9	·58		16
17	·30	·1	·31	·4		·19			·76			·16		17
18		·3	·2			·25		·19						18
19		·1		·9		·1		·7	·9		·24			19
20	·12		·12	·5	1·52		·4	·2	·2	·12		·3		20
21	·3		·1	·10	·9		·18			·10		·5		21
22	·7		·16		·10		·4			·6		·2		22
23	·33		·2		4			·3		·92		·2		23
24	·40				·22		·42		·10	·22		·1		24
25	·24	·48			·2			·3		·29				25
26	·11	·26	·12		·47									26
27	·2	·80	·8	·3			·1		·1	·44	·2	·1		27
28	·7	·5	·4					·4		·14		·3		28
29	·16					·12		·28		·9	·2	·17		29
30	·41	✕				·5		·31	·1		·9	·7		30
31	42	✕		✕		✕		·27	✕	·36	✕			31
TOTAL	3·06	3·23	5·14	2·01	3·28	1·75	2·32	3·32	1·63	2·92	1·33	6·38	Year's Total 36·37	✓
* Days with .01 in. or more.	18	17	24	18	15	15	16	15	16	13	13	26	206	✓
* Days with .04 in. or more.	14	12	20	11	12	9	13	12	9	12	8	20	152	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations Station No. 3592/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938.

Kept at Doxford Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		·5				1·03	·20		·20		·5			1
2	·13					·89	·11		·7	·40		·8		2
3	·8			·2		·8	·1		·5	·72	·12			3
4	·7			·1		·1	·9			·13	·6	·35		4
5		·6	·1	·3				·11	·3					5
6	·1					·1	·24	9	·30	·9				6
7							·57	·1	·3		·32			7
8	·17						·16	·4		·52	·75	·23		8
9	·90	·9	·1		·10	·5	·3					·47		9
10		·2	·1			·15			·2			·7		10
11	·2				·3	·2	·3			·2	·6	·9		11
12	·16	·12			·6			1·55		·15	·15			12
13	·4	·22			·2		·11	·7	·17		·7	·9		13
14	·23	·1			·4									14
15	·1	·8	·2				·5	·28		·4		·65		15
16	·21	·8					·8		·61	·8				16
17					·6		·1	·15	·3	·34		·1		17
18	·1	·8	·13			·8		·1	·4	·17	·25	·7		18
19		·1	·16		·9			·5	·5	·1		·7		19
20									·20		·4	·9		20
21			·1		·2			·11			·2	·2.		21
22		·2	·8		·8						·31	·11		22
23	·2				·9	·18					·24	·9		23
24			·1	·10				·80	·15	·42		·6		24
25				·1	·4		·25	·1		·22	·7	·14.		25
26		·24	·1	·17	·2	·6	·12			·15				26
27	·8	·6		·2	·21	·5	·28	·12	·1	·11		·8		27
28	·7				·60	·14			·10			·5		28
29					·8			·2			·15			29
30	·7	✕		·1	·17			·29	·33		·5			30
31	·17	✕		✕	·40	✕		·3	✕	·5	✕	·42		31
													Year's Total	
TOTAL	2·45	1·14	·45	·37	2·11	2·75	2·34	3·74	2·39	3·62	2·71	3·24	27·31	✓
* Days with .01 in. or more.	18	14	10	8	17	13	16	17	17	17	16	20	183	✓
* Days with .04 in. or more.	13	10	3	2	13	10	12	12	12	15	15	18.	135	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) T. G. Reason

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations

Station No. 3592/3.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939.

Kept at Doxford Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·38		·3				·1	·2	·3	·4		·10		1
2	·20			·13			·1	·10	·33	·2	·2			2
3		·2	·2	·1			·2	·4	·2	·3	·9	·4		3
4	·4		·20				·3		·4	·4	·42	·9		4
5					·21		·21	·17		·36	·40	·20		5
6	·22		·1				·23			·45		·13		6
7	·3		·2							·6		·5		7
8	·25	·10	·8	·12			·15	·6		·1	·15	·49		8
9	·2	·2			·1		·32	·17	·10	·69		·8		9
10			·6					·1	1·05	·28	·2			10
11	·23		·22		·3	·11		·1		·32	·3	·4		11
12		·1				·5	·28		·1	·52	·3			12
13		·2	·8	·1	·28	·1	·9		·2	·9				13
14	·77		·9		·12	·16	·16		·3	·7	·7	·3		14
15	·5	·1				·54				·25		·11		15
16	·16		·8		·8							·3		16
17	·59	·2				·2	1·67				·2			17
18	·30	·1	·10		·9	·11	·7			·6	·25			18
19	·17				·3	40						·3		19
20			·2	·3	·24		·3					·3		20
21	·11	·21	·2	·26				·7	·1	·1				21
22	·27	·27		·3			·1				·4			22
23	·9	·12		·2		·9			·3					23
24		·3	·15	·26	·2	·3		·3		·9	·6			24
25	·12	·1	·7	·13						·17	·12	·15		25
26	·4		·4	·2		·9		·13	·6	·51	·14	·2		26
27	·22	·9	·57	·2			·5	·1		·12		·2		27
28	·2	·10	·19	·10		·8	·12			·1	·21	·25		28
29			·3			·1	·48	·2		·15	·1	·1		29
30		✕		·2		·14	·2		·12	·2	·37			30
31		✕	·1	✕		✕	·14		✕	·2	✕			31
TOTAL	4·28	1·04	2·09	1·16	1·11	1·84	4·10	·84	1·85	4·39	2·45	1·90	Year's Total 27·05	✓
* Days with .01 in. or more.	21	15	21	14	10	14	20	13	13	25	18	19	203	✓
* Days with .04 in. or more.	18	6	13	6	6	10	13	7	6	18	12	12	127	✓

† Spare column, no entries required.

(*Signed*) T. G. Reason.

* See Instruction 3 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3592/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1940

Kept at Doxford Gardens.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. .... in.

,, Ground ,, Sea Level .... ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		·2					·3				·1	·9		1
2				·4			·21				·66	·5		2
3	·4	·16		·15			·5			·3				3
4		·55		·2			·7			·8	·8	·11		4
5		·4			·22		·3	·9		·13	·33	·16		5
6	·6	·3					·14			·10	·37	·32		6
7	·19	·25	·8				·22	·5				·7		7
8			·2			·2	·1	·13	·27	·26	·2	·4		8
9			·33				·39	·1		·28	·32			9
10		·3	·1			·4	1·21		·9		·43			10
11		·6	·50				·20		·27		·48			11
12			·64						·9		·7			12
13		·43	·7				1·14		·6			·1		13
14		·11	·2	·1			1·23	·2	·11			·27		14
15	·16				·4	·35					·27	·2		15
16	·5						·70		1·02	·24	·2	·3		16
17			·8				1·39		·13	·15	·33			17
18			·18				·3	·12	·6		·7	·2		18
19		·1		·3			·8	·11	·13		·14	·6		19
20		·4	·2	·18			·2	·26						20
21	·38		·10	·13		·49		·7		·35				21
22	·27	·2	·4	·1	·1	·4	·2	·4	·16	·6				22
23		·11	·20	·10	·2		·9							23
24	·10	·2		·3	·9		·5		·4	·10		·13		24
25			·1		·1		·4					·5		25
26	·19	·6			·20	·5	·23	·10	·2	·25	·14	·1		26
27	·1	·26	·18							·8		·4		27
28	·4	·7		·3				·11		·4	·8	·2		28
29	·9		·32	·1		·2	·1					·18		29
30	·10	✕			·5					·19		·44		30
31	·47	✕	·17	✕	·4	✕			✕	·12	✕	·28		31
TOTAL	2·15	2·27	2·97	·74	·68	1·01	7·59	1·11	2·45	2·45	3·82	2·40	Year's Total 29·64	
* Days with .01 in. or more.	14	18	18	12	9	7	24	12	13	16	17	21	181	
* Days with .04 in. or more.	13	12	13	5	6	5	17	10	12	15	14	15	137	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) T. G. Reason.

P.T.O.

X CHATHILL (PRESTON T

3592/5

Section **A** for the entry of D

AIR MINISTRY.

FORM 1090.

REGIST

Kept at *Preston Tower.*

in the County of *Northum*

Diameter of Funnel of Gauge *8*

Height of top of Gauge above Ground

,, Ground ,, Sea Leve

THE MORNING MEASURI

An observer who does not conform to thi
year in the space on the right of this

Pl

3592/5

CHATHILL, PRESTON TOWER

1932 — 40

7P0702

ion No.

ORGANIZATION *[illegible] N'land /5*

[illegible] 15/2/33
15/3/33

ing

Jan. 1, following

OK print [illegible]

Date	Jan.	Feb.	March	Ap							Nov.	Dec.	Date
	in.	in.	in.	i							in.	in.	
1	.06	—	—	.10	.01	—	—	—	.02	.10	.08	.08	1
2	.02	—	—	.03	.17	—	.01	—	.06	.42	.04	.05	2
3	.01	—	—	.03	—	—	—	—	.03	—	.02	—	3
4	—	.02	—	—	.05	—	.22	—	.02	—	—	—	4
5	—	—	.04	.03	.11	—	—	—	.12	.74	—	—	5
6	.05	—	—	—	.33	—	—	—	.02	.02	—	.07	6
7	—	—	.20	—	.03	—	—	—	.14	.13	—	—	7
8	—	.06	.20	.13	.01	—	—	—	.30	.56	.11	.04	8
9	.37	.05	—	.20	.07	—	—	—	.11	.07	—	.04	9
10	—	.03	.08	.15	—	—	—	—	.06	.07	—	.11	10
11	—	—	—	.04	.32	.03	.23	—	—	—	—	—	11
12	.12	.06	—	—	.15	—	.03	.10	—	.16	.03	—	12
13	.11	.12	—	.09	.23	—	—	.02	.11	.05	—	.10	13
14	.02	—	—	.98	—	—	—	—	—	.09	—	—	14
15	.09	—	—	.03	.05	—	—	—	—	.05	.11	—	15
16	.31	—	—	—	—	—	—	—	—	.03	.08	.08	16
17	—	—	—	—	.03	—	.08	.05	—	.61	.09	.41	17
18	—	—	—	—	.02	—	—	—	—	—	—	—	18
19	—	—	—	.03	.05	—	.05	—	.01	.24	—	—	19
20	—	—	.60	.05	.02	—	—	.36	.02	.01	—	.07	20
21	—	—	.21	—	.52	—	—	.41	—	.70	—	—	21
22	—	—	.35	.11	—	—	.05	—	.02	—	.09	—	22
23	—	.10	—	.10	—	—	.19	—	.07	—	—	—	23
24	—	.05	—	.05	—	—	.72	—	.12	—	—	.02	24
25	—	.06	—	—	.16	—	—	.07	—	.04	.04	.01	25
26	—	—	—	—	.16	—	.11	—	.53	.10	.03	—	26
27	—	—	.39	.12	.04	.45	.53	—	—	.59	—	—	27
28	—	—	.02	.17	.59	.10	.35	—	—	.05	—	—	28
29	—	—	.28	.04	—	—	.08	.72	.01	.13	.15	.07	29
30	.03	×	.10	—	—	.38	.06	.02	1.76	.22	.03	—	30
31	—	×	.02	×	—	×	.54	.14	×	—	×	.04	31
TOTAL	1.19	.54	2.49	1.58	3.12	.93	3.25	1.89	3.52	4.58	.90	1.29	YEAR'S TOTAL 25.28
*Days with ·01 in. or more.	11	9	12	19	20	4	14	9	19	23	13	14	167
*Days with .04 in. or more.	5	5	10	13	14	3	11	7	11	19	9	12	119

40-9999

*See Instruction 2 (*f*) on other side,

N

(*Signed*) *G. G. Baker Cresswell*

G. G. BAKER CRESSWELL ESQ.

P.T.O.

X CHATHILL (PRESTON T

Station No. 8592/5

[illegible] N'land /5

Section A for the entry of Daily Observations.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Preston Tower. Chathill
in the County of Northumberland
Diameter of Funnel of Gauge 8 in.
Height of top of Gauge above Ground 1 ft. — in.
,, Ground ,, Sea Level 140 ft.

1916-30 [illegible] 15/2/33
1931 [illegible] ,, 15/2/33

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: OK [illegible]

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.06	—	—	.10	.01	—	—	—	.02	.10	.08	.08	1
2	.02	—	—	.03	.17	—	.01	—	.06	.42	.04	.05	2
3	.01	—	—	.03	—	—	—	—	.02	—	.02	—	3
4	—	.02	—	—	.05	—	.22	—	.02	—	—	—	4
5	—	—	.04	.03	.11	—	—	—	.12	.14	—	—	5
6	.05	—	—	—	.33	—	—	—	.02	.02	—	.07	6
7	—	—	.20	—	.03	—	—	—	.14	.13	—	—	7
8	—	.06	.20	.13	.01	—	—	—	.30	.56	.11	.04	8
9	.37	.05	—	.20	.07	—	—	—	.11	.07	—	.04	9
10	—	.02	.08	.15	—	—	—	—	.06	.07	—	.11	10
11	—	—	—	.04	.32	.03	.23	—	—	—	—	—	11
12	.12	.06	—	—	.15	—	.03	.10	—	.16	.03	—	12
13	.11	.12	—	.09	.23	—	—	.02	.11	.05	—	.10	13
14	.02	—	—	.08	—	—	—	—	—	.09	—	—	14
15	.09	—	—	.03	.05	—	—	—	—	.05	.11	—	15
16	.31	—	—	—	—	—	—	—	—	.03	.08	.08	16
17	—	—	—	—	.03	—	.08	.05	—	.61	.09	.41	17
18	—	—	—	—	.02	—	—	—	—	—	—	—	18
19	—	—	—	.03	.05	—	.05	—	.01	.24	—	—	19
20	—	—	.60	.05	.02	—	—	.36	.02	.01	—	.07	20
21	—	—	.21	—	.52	—	—	.41	—	.70	—	—	21
22	—	—	.35	.11	—	—	.05	—	.02	—	.09	—	22
23	—	.10	—	.10	—	—	.19	—	.07	—	—	—	23
24	—	.05	—	.05	—	—	.72	—	.12	—	—	.02	24
25	—	.06	—	—	.16	—	—	.07	—	.04	.04	.01	25
26	—	—	—	—	.16	—	.11	—	.53	.10	.03	—	26
27	—	—	.39	.12	.04	.45	.53	—	—	.59	—	—	27
28	—	—	.02	.17	.59	.10	.35	—	—	.05	—	—	28
29	—	—	.28	.04	—	—	.08	.72	.01	.13	.15	.07	29
30	.03	X	.10	—	—	.38	.06	.02	1.76	.22	.03	—	30
31	—	X	.02	X	—	X	.54	.14	X	—	X	.04	31
TOTAL	1.19	.54	2.49	1.58	3.12	.93	3.25	1.89	3.52	4.58	.90	1.29	YEAR'S TOTAL 25.28
*Days with ·01 in. or more.	11	9	12	19	20	4	14	9	19	23	13	14	167
*Days with .04 in. or more.	5	5	10	13	14	3	11	7	11	19	9	12	119

40-9999

*See Instruction 2 (*f*) on other side.

N

(Signed) G. G. Baker Cresswell

G.S. BAKER CRESSWELL ESQ.

P.T.O.

3592/5

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Section **A** **for the entry of Daily Observations.** **Station No.** ~~3592~~/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Preston Tower, Chathill

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 1 ft ...... in.

,, Ground ,, Sea Level 140 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1					.02			.01		.03	.11	.08		1
2	.11		.23			.04					.99	.03		2
3	.02	.05	.52	.07	.02						.14			3
4	.08		.12	.01										4
5		.03			.03									5
6		.10						.23						6
7	.06	.05			.38					.75		.10		7
8			.12		.22					.19		.18		8
9		.26			.01	.23	.08					.21		9
10	.02	.12				.17					.04	.04		10
11					.12		.03	.03		.03	.28	.02		11
12						.18						.18		12
13			.09				.48	.03	.04		.05			13
14	.11				.04		.12			.08	.15	.39		14
15	.27		.04	.13		.06		.01		.07	.11	.05		15
16	.13				.07	.08		.05			.06			16
17	.28	.15		.13		.14			.02		.32	.04		17
18		.20	.05	.05		.02	.10				.20			18
19		.05	.02		.01		.06	.08			.10			19
20									.28		.01			20
21				.01		.01		.01	.10	.06	.03			21
22		.20						.16	.03	.89				22
23		.04			.18	.09	~~.0[illegible]~~	.01	.27	.12	.10			23
24		.14		.19	.04		.15			.04				24
25		.07		.42			.19		.57	.67	.04	.11		25
26		.85		.15						.53	.18	.12		26
27	.06	.13			.01	.02	.28			.67	.17	.14		27
28	.06				.04		.38	.94	.03	.31	.02	.13		28
29				.62			.05	.06		.12		.05		29
30		×		16			.16		.07			.13		30
31	.07	×	.10	×		×	.16	.12	×		×	.17		31
TOTAL	1.27	2.44	1.29	1.94	1.19	1.04	2.24	1.74	1.41	4.55	3.10	2.17	Year's Total 24.38	
*Days with ·01 in. or more.	12	15	8	8	8	8	13	13	9	15	19	18	146	
*Days with ·04 in. or more.	10	15	87	78	6	5	12	7	6	13	16	16	120	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) G.G. Baker (Preston)

[P.T.O.

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Section **A** for the entry of Daily Observations. Station No. 3592/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934

Kept at Preston Tower, Chathill,

in the County of Northumberland.

File No. 233382/33

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ~~I40~~ ft I in.

,, Ground ,, Sea Level I40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.06				.05			.32				.02		1
2		.03							.I2			.I9		2
3	.04	.02						.07		.04	.I7	.I0		3
4			.05	.05						.05	.I3	I.05		4
5			.2I	.I7				.I6			.53	.04		5
6	.06			.06	.42	.I5		I.I3	.08	.07	.89	.I2		6
7				.I3	.04	.03					.07	.I0		7
8			.I6		.08				.02		.03	.06		8
9			.03	.8I				.07			.48	.02		9
10			.5I	.34				.57			.39			10
11			.55	I.95							.II			11
12	.02		.73	.64	.09		.04	.27		.02	.I2	.20		12
13	.27		.04	.07			.I7	.05		.03				13
14	.4I		.26		.08		.I5				.I0	.23		14
15			.20		.32	.04				.43	.0I	.I5		15
16	.04		.I8		.04			.02		.I8	.09	.02		16
17	.04		.04		.03		.55		.49	.05	.03	.25		17
18	.I8		.02	.25		.09	.49	.04				.0I		18
19			.20	.I8	.0I				.0I	.I0	.I0			19
20			.45			.08		.I7				.05		20
21						I.59		.22						21
22				.06		.7I		.03	.20	.07	.02	.29		22
23			.05	.I2		.09						.I9		23
24		.04		.03	.02		.03	.04	.02	.53				24
25									.04	.I8	.03	.85		25
26	.03			.I7		.II			.02	.I0		.I3		26
27		.2I		.I4		.05				.27		.I2		27
28				.50			.36	.28	.0I			.I7		28
29			.03				.2I	.II	.39	.97		.06		29
30	.06	X					.05			I.I2		.0I		30
31	.22	X		X		X		.23	X		X			31
TOTAL	I.43	.30	3.7I	5.67	I.I3	2.94	2.05	2.78	I.40	4.2I	3.30	3.53	Year's Total. 32.45	
* Days with .01 in. or more.	I2	4	I7	I7	II	I0	9	I7	II	I6	I7	24	I65	
* Days with .04 in. or more.	I0	2	I4	I6	8	9	8	I5	6	I4	I2	I9	I33	

40-9999

† Spare column, no entries required.

(*Signed*) G.G.Baker Cresswell

[P.T.O.

* See Instruction 2 (f) on other side.

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Section **A** for the entry of Daily Observations. Station No. 3592/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Preston Tower, Chathill.

in the County of Northumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground ft. 12 in.

„ Ground „ Sea Level 140 ft.

dafro

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.29	-	.65	.04	-	-	.06	-	.22	-	-	-		1
2	-	-	.02	.II	-	.I4	-	-	-	.70	-	-		2
3	-	.04	.I9	.09	-	.I5	.07	-	-	-	.28	-		3
4	-	-	.0I	.02	-	.26	.I3	-	.04	.25	.I4	-		4
5	.I7	.04	-	-	-	-	-	-	.07	.43	.05	-		5
6	.07	-	-	-	-	.I6	-	-	.07	.29	-	-		6
7	.30	-	-	.I7	-	.08	-	-	-	.06	.23	-		7
8	-	-	-	.I8	-	I8	-	-	-	-	.I2	.06		8
9	-	.I0	-	.25	-	-	-	-	-	.I0	.27	-		9
10	-	.05	-	.I0	-	.08	-	-	-	.02	.04	-		10
11	.I4	.0I	-	-	-	.05	-	.72	-	-	.03	.06		11
12	-	.0I	-	-	-	.I0	-	-	-0I	-	-	-		12
13	.07	.05	-	-	.29	-	.07	-	.02	-	-	.07		13
14	-	-	-	.07	-	.09	-	-	-	.I0	.24	.08		14
15	-	.I3	-	.33	.22	.23	-	.07	.03	.I5	-	-		15
16	-	.25	.07	.26	.38	.99	.05	.29	.65	-	.I9	.I8		16
17	-	-	-	.44	.63	-	-	-	.03	-	95	.22		17
18	.07	.0I	-	-	.04	.04	.46	.I5	.I0	.II	.08	-		18
19	.03	.09	-	.0I	-	.20	.20	-	-	-	-	.33		19
20	-	.03	-	.47	-	.08	.05	-	-	.04	-	-		20
21	-	.03	.I6	.25	-	-	-	-	.53	.30	-	.08		21
22	-	.29	.07	.59	-	-	-	-	.22	-	.II	-		22
23	.02	-	.03	.02	-	-	-	-	-	.05	-	-		23
24	.07	.09	.II	-	-	-	-	-	.I4	-	-	.37		24
25	-	-	.0I	-	-	.0I	.02	-	-	.20	.0I	.24		25
26	.34	-	-	.05	-	.02	-	I.26	.37	-	-	.42		26
27	.27	.10	-	-	-	.03	.II	.09	.09	.36	.II	.05		27
28	-	-	.03	-	-	-	-	-	.02	.I4	-	-		28
29	-	-	.24	-	-	.03	-	.02	.05	.05	-	.I8		29
30	-	✕	-	-	-	.I9	-	I.20	.23	.20	.4I	-		30
31	-	✕	-	✕	-	✕	-	-	✕	.02	✕	.I8	d	31
													Year's Total	
TOTAL	I.84	I.32	I.59	3.45	I.56	3.II	I.22	3.80	2.89	3.57	3.27	2.52	30.I4	
* Days with .01 in. or more.	~~108~~	~~5 16~~	~~5 12~~	~~3 18~~	~~5~~	~~4 20~~	~~10 1~~	~~8 1~~	~~5 8~~	~~19 9~~	~~3 17~~	~~14~~	~~31~~	157
* Days with .04 in. or more.	8	II	7	I5	5	I6	9	7	53	I7	I4	I4	2 I36	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) E. Baker Cresswell.

P.T.O.

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Section **A** for the entry of Daily Observations. Station No. 3592/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193~~7~~6

Kept at Preston Tower, Chathill.

in the County of Northumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground I ft. in.

,, Ground ,, Sea Level I40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.37	.77	.28			.3I	.II	.33	.59	.02	.04			1
2	.I5	.25	.03				.08	.03	.07					2
3	.0I					I.23	.32	.03	.65		.07	.28		3
4	.32					.0I		.27	.30	.05				4
5	.2I		.04		.08		.05	.02	.03		.05			5
6	.09			.03	.0I		.05	.36	.3I	.03	.02			6
7	.08						.24		.05		.I7			7
8	.08		.03							.II	.09	.04		8
9	.55		.I2			.I7	.02	.02	.06	.04	.04			9
10	.II		.65	.0I			.06			.02	.35			10
11				.II				.03	.02	.03		.02		11
12	.04			.I9	.20	.04	.02	.02	.33	.0I	.44			12
13				.20			.42		.0I	.I5	.20	.47		13
14				.30		.30	.02	.0I	.29		.07	.26		14
15				.I3			.38	.05			.08	.02		15
16	.08					.I0					.I9			16
17	.I6	.32			.05		.I9			.I4	I.I4	.06		17
18		.I2						.02	.02	.I6	.03			18
19	.II	.23					.I3			.29	.0I			19
20	.22	.I2	.02				.0I			.03		.06		20
21	.2I	.02		.0I			.49					.I7		21
22		.23			.08	.03	.02							22
23		.II	.02	.08			.43		.68					23
24	.02	.I9			.54				.04	.I0	.03			24
25	.20		.07		.04		.08		.II					25
26	.04	.07	.04						.II	.09	.06			26
27	.06		.I4							.02	.05			27
28	.02	.40					.04					.02		28
29	I.00	.49	.3I		.03	.46				.I9				29
30	.02	✕					.37			.I2		.0I		30
31		✕	.05	✕		✕			✕		✕			31
TOTAL	4.I5	3.32	I.80	I.06	I.03	2.70	3.47	I.I9	3.67	I.60	3.I3	I.4I	Year's Total 28.53	✓
* Days with .01 in. or more.	23	I3	I3	7	8	I0	20	I2	I7	I8	I9	II	I73	✓
* Days with .04 in. or more.	I9	9	9	6	6	8	I5	4	I4	II	I5	7	I23	✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) G.G.Baker Cresswell, [P.T.O.

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Section **A** for the entry of Daily Observations. Station No. 3592 /5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Preston TOWer, Chathill.

in the County of Northumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground I ft. in.

,, Ground ,, Sea Level I40 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.07	.I6	.5I	.02		.2I			.26	.I2		.I2		1
2	.02	.09	.04	.I5		.06			.04	.04		.I5		2
3		.I6		.09	.2I	.22	.6I		.02			.4I		3
4	.I2	.02	.II		.I2	.06	.20	.54						4
5	.02		.I0		.24		.02		.03			.30		5
6			.I8	.05	.02		.0I		.06		.06	.05		6
7		.09		.07	.0I	.02	.20		.0I	.02	.2I	.35		7
8		.52	.I8				.II	.0I			.09	.58		8
9			.35	.27			.35	.I5			.I2			9
10			.22		.04		.I5				.34			10
11			.25			.02			.0I					11
12	.I0	.I7	.56	.06					.04		.02	.90		12
13		.09	.76		.I4	.03	.09	.I3	.I6			I.0I		13
14			.I3	.0I		.40	.0I	I.09	.04			.93		14
15	.I5	.28	.08	.27			.09	.0I	.02		.0I	.I5		15
16		.06	.78	.55		.02		.II			.07	.57		16
17	.30		.26	.04		.I9			.57					17
18		.05	.05			.23		.25						18
19	.II		.0I	.I0		.06		.05	.II		.09			19
20	.04		.I5	.05	I.44			.03	.03	.I0				20
21			.02	.I0	.20		.I5			.09	.05	.I5		21
22			.I5		.I0		.05			.07	.I4	.I5		22
23	.29		.03		.04			.02		.80		.02		23
24	.40				.29		.50		.II	.I0				24
25	.I5	.46			.05			02		.37				25
26	.09	.26	.I4		.52									26
27		.85	.09	.03						.32	.02			27
28		.03	.05							.I5		.02		28
29								.29		.I3	.0I	.I6		29
30	.48	×				.I6		.30	.0I		.I0	.05		30
31	.37	×		×		×		.27	×	.34	×			31
TOTAL	2.7I	3.29	5.20	I.86	3.42	I.68	2.58	3.27	I.52	2.65	I.33	6.07	Year's Total. 35.58 ✓	
* Days with .01 in. or more.	15	15	24	15	14	13	14	15	16	13	14	12	186 ✓	
* Days with .04 in. or more.	13	13	21	12	12	9	12	11	9	12	10	16	150 ✓	

40-9999

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(Signed) G.G. Baker Cresswell

[P.T.O.

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Section **A** for the entry of Daily Observations

Station No. 3592/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Dup

ViesR.

Kept at Preston Tower, Chathill,

in the County of Northumberland.

Diameter of Funnel of Gauge 8 in. in.

Height of top of Gauge above Ground I ft. in.

,, Ground ,, Sea Level I40 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		.07				I.0I	.I9		.27		.06			1
2	.06					.97	.07		.06	.35	.0I	.08		2
3	.I0			.02		.05	.04		.07	.68	.I2			3
4	.07			.0I		.02	.II	.0I	.02	.I5	.06	.35		4
5		.07		.0I				.06	.03					5
6	.02		.0I			.0I	.22	.08	33	.08				6
7							.56	.0I	.05	.02	.28	.0I		7
8	.I9						.09	.04		.53	.70	.I5		8
9	.84	.08			.I4	.04	.II	.0I	.0I			.48		9
10		.02	.0I			.I4	.0I	.0I				.07		10
11	.03				.04	.0I	.04	.0I	.02	.02	.07	.08		11
12	.I2	.06			.04			I.35		.I5	.I7	.0I		12
13	.04	.24			.03		.II	.08	.24	.02	.05	.I0		13
14	.20				.04							.03		14
15	.06	.03	.0I				.02	.27		.03		.53		15
16	.20	.06					.II	.0I	.85	.06	.0I	.4I		16
17					.08			.14	.05	.34		.03		17
18		.08	.I0		.07	.06		.02	.06	.I6	.27			18
19	.02	.0I	.I3					.04	.05	.0I				19
20			.35						.I6		.03			20
21			.02					.06			.02			21
22		.03	.06		.02					.0I	.27	.28		22
23	.0I				.I2	.I8					.27	.I2		23
24			.0I	.05		.04		.50	.I5	.33		.08	.09	24
25					.05		.25	.20		.32	,08	.I2		25
26		.24		.06			.06			.I8				26
27	.07	.05		.02	.20	.I0	.28	.II	.04	.I5		.08		27
28	.07				75	.I5			.I0			.05		28
29				.0I	.05			.0I			.I2	.02		29
30	.06				.II			.30	.33		.05			30
31	.I5				.36			.03		.04		.35		31
TOTAL	2.30	I.04	.70	.I8	2.10	2.77	2.27	3.35	2 79	3.63	2.66	3.45	Year's Total 27.24	
* Days with .01 in. or more.	18	13	9	7	15	13	16	22	19	20	18	21	191	
* Days with .04 in. or more.	14	9	4	2	13	3	14	14	15	14	14	16	132	

† Spare column, no entries required.

(*Signed*) G. G. Baker

* See Instruction 3 (f) on other side.

P.T.O.

COPY FOR OFFICIAL USE

3592/5

Section **A** for the entry of Daily servations 9 Station No. ~~352~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193~~40~~ 39

Kept at Preston Tower, Chathill.

in the County of Northumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground I ft. in.

,, Ground ,, Sea Level I40 ft.

Days

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.34		.05				.0I	.02	.04	.02	.0I	.09		1
2	.09			.I0			.0I	.07	.I9	.03	.02			2
3		.02	.03	.0I			.0I	.06	.09	.05	.04	.05		3
4			.02				.04			.39	.44			4
5					.I9		.23	.23		.52	.42	.28		5
6	.I2		.0I				.25			.04		.I3		6
7	.24		.02		.02					.02	.0I	.05		7
8	.24	.I0	.II	.I2			.07	.06			.I3	.49		8
9	.02	.0I		.0I			.39	.I7	.I8	.68		.09		9
10			.06		.03	.0I		.02	.96	.I8	.03			10
11	.20		.22			.II	.0I	.0I	.08	.3I	.03	.04		11
12		.0I				.06	.25		.03	.60	.04			12
13		.02	.08		.28	.0I	.I3		.02	.08				13
14		,65	.07		.I3	.I7	.I6	.0I		.II	.06	.03		14
15	.II	.02	.0I	.0I	.0I	.5I				.25		.I2		15
16	.I4		.06		.07							.04		16
17	.60	.02			.09	.02	.98				.02			17
18	.24	.0I	.II			.07	.06			.06	.25			18
19	.I6				.03	.43				.0I		.03		19
20			.04	.02	.I6	.0I	.05					.03		20
21	.09	.I5		.26	.0I			.07	.0I					21
22	.22	.25		.05			.02	.0I			.05			22
23	.I0	.I3		.02		.II	.0I	.02	.02					23
24		.03	.I5	.25	.02	.04		.0I		.I0	.06			24
25	.I5	.0I	.09	.I4						.I2	.I4	.I7		25
26	.05		.04					.I3	.08	.49	.I5	.02		26
27	.II	.II	.60	.02		.06	.06			.I9				27
28	.08	.09	.2I	.08		.I0	.I4			.0I	.I8			28
29			.02				.54			.08	.0I	.08		29
30	.03	✕		.0I		.I4	.03	.02	.I4	.04	.38			30
31		✕	.02	✕		✕	.I2		✕	.03	✕			31
TOTAL	3.98	.98	2.20	I.I0	I.04	I.85	3.57	.9I	I.84	4.42	2.48	I.75	Year's Total 26.I2	✓
* Days with .01 in. or more.	20	16	21	14	12	15	22	15	12	24	20	16	207	✓
* Days with .04 in. or more.	18	7	14	7	6	14	15	7	8	18	13	12	136	✓

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) G. G. Baker Cresswell [P.T.O.

COPY FOR OFFICIAL USE

Section **A** **for the entry of Daily Observations** **Station No.** 3592/5

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN ~~193~~ 1940

940

Kept at Preston Tower, Chathill,

in the County of Northumberland.

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground I ft. in.

„ Ground „ Sea Level I40 ft.

Jan+Feb adjusted for snow

Dougs

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		~~.46~~					.04				.02	.II		1
2	.I4			.04			.20				.59	.05		2
3	.04	(·20) ~~.31~~		.I2			.05			.08				3
4		.49		.02			.09			.06	.II	.II		4
5		.04			.23		.02	.II		.I4	.28	.I7		5
6	.09	.03					.I6			.I3	.36	.38		6
7	.2I	.22	.07	.0I	.02		.08	.04				.I0		7
8			.02			.04	.0I	.I2	.3I	.28		.05		8
9			.30				.3I	.02		.30	.33			9
10			.02				I.33	.0I	.I2		.38			10
11			.5I				.25		.I6		.4I			11
12			.68			.04			.I3		.08			12
13		.34	.04				.99	.0I	.06		..0I			13
14		.27	.06				I.I6		.II	.05		.I7		14
15					.04	4I					.26	.03		15
16						.02	.57		I.05	.20	.02	.04		16
17			.07				I.6I		.I7	.I7	.36	.0I		17
18			.I6				.09	.I0	.04		.07	.02		18
19			.02	.0I			.I3		.I5		.I4	.06		19
20		.05	.0I	.I3				.35	.02	.32				20
21			.I0	.I3		.46		.06		.04				21
22	.8I	.08	.03		.oI	.04		.05	.I9					22
23		.II	.I8	.I0		.02	.08				.I5	.03		23
24	.07	.03		.04	.II				.06	.II	'0I	.I0		24
25							.05					.05		25
26	.I5	.05	.0I		.2I	.07	.I5	.I0	.0I	.34	.02			26
27	.0I	.I9	.04							.II		.05		27
28	.03	.09			.05			.I0		.05	.09	.02		28
29			.38	.03		.03	.02					.I7		29
30	(·57)	×	.0I	.0I						.I7		.44		30
31	.I3	×	.I8	×	.06	×			×	.I3	×	.06		31
TOTAL	2·25 ~~I.68~~	2·13 ~~2.70~~	2.88	.64	.73	I.I3	7.39	I.07	2.58	2.68	3.68	2.22	Year's Total 29.38	
* Days with .01 in. or more.	12	15	20	11	8	9	21	12	14	17	19	21	178	
* Days with .04 in. or more.	10	13	13	6	6	6	18	9	12	17	14	16	140	

† Spare column, no entries required.

(*Signed*) G. G. Baker Cresswell

P.T.O.

* See Instruction 3 (f) on other side.

3593

Section **A** for the entry o

AIR MINISTR

COPY FOR OFFICIAL USE.

NFALL ORGANIZATION.

FORM 1090.

REGIS 931.

3593 —

NEWLANDS

1931 - 40

780702

Kept at Newlands, Bel

93

in the County of Northum

Diameter of Funnel of Gauge

Height of top of Gauge above Groun

,, Ground ,, Sea L

THE MORNING MEASU DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	...	Trace	·15	Trace	·03	·14	·13	...	·70	·02	...	...	1
2	...	·04	·06	·40	...	·57	·09	Trace	·41	·06	...	·23	2
3	·03	Trace	·03	...	Trace	·03	·25	...	Trace	...	·53	·02	3
4	·02	·05	...	...	...	...	...	...	·43	...	...	·02	4
5	·01	Trace	·01	...	·08	·13	·06	·16	Trace	Trace	Trace	·02	5
6	...	·23	·03	...	...	·87	·01	·06	·03	·22	Trace	...	6
7	Trace	Trace	·01	...	·37	·12	·01	·05	·01	Trace	·25	...	7
8	·02	·02	·05	...	·10	·07	·46	·05	·18	...	·05	...	8
9	·01	·14	·09	Trace	·22	·17	·35	·09	...	·02	·23	·13	9
10	...	...	·13	...	·17	·09	·10	Trace	Trace	...	·04	...	10
11	Trace	·60	...	...	...	·02	·24	...	·29	Trace	Trace	...	11
12	·11	...	...	...	...	·08	·10	·01	...	Trace	...	...	12
13	·02	...	·30	...	·01	·10	...	·01	...	...	...	...	13
14	·03	·12	·01	·02	·01	·74	·06	·06	...	Trace	·19	·05	14
15	...	...	...	·21	...	·04	Trace	·12	·01	Trace	·05	Trace	15
16	·03	·24	...	·16	·02	...	Trace	·12	·06	Trace	·01	Trace	16
17	...	·15	...	·24	...	·12	·35	·12	Trace	·03	·04	Trace	17
18	·37	...	Trace	·01	...	·15	·29	Trace	·08	Trace	·58	...	18
19	·03	Trace	Trace	...	...	...	·23	·28	·05	·09	·01	...	19
20	...	·01	...	...	...	...	...	·14	Trace	·02	·01	...	20
21	·07	...	Trace	...	...	...	·05	·08	...	...	Trace	Trace	21
22	·10	·14	...	·28	Trace	...	·02	·04	Trace	...	Trace	Trace	22
23	·13	·01	...	·04	·08	·15	...	·03	·09	·44	·55	...	23
24	...	·02	...	·17	·36	Trace	·01	·12	Trace	·20	·09	...	24
25	...	...	Trace	·45	...	...	·11	...	...	...	·01	...	25
26	...	...	Trace	·21	Trace	...	·19	Trace	...	...	·37	...	26
27	·04	...	Trace	·18	...	...	·03	Trace	...	·15	·20	...	27
28	·24	·06	Trace	Trace	·46	...	Trace	...	Trace	...	Trace	...	28
29	·36	×	·05	...	...	...	·60	Trace	...	·15	·06	·24	29
30	·01	×	Trace	...	·15	...	...	...	...	...	·01	...	30
31	·31	×	...	×	·77	×	·08	Trace	×	Trace	×	...	31
TOTAL	1·94	1·33	·92	2·37	2·83	3·59	3·32	1·54	2·34	1·40	3·28	·71	YEAR'S TOTAL 25·57
*Days with ·01 in. or more.	19	14	12	12	14	17	23	17	12	11	19	7	177
*Days with ·04 in. or more.	9	10	7	10	10	15	18	14	9	7	14	4	127

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(Signed) Sanderson [P.T.O.

*See Instruction 2 (*f*) on other side.

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3593

Section **A** **for the entry o**

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Newlands, Belford

in the County of Northumberland.

Station No 3593

Diameter of Funnel of Gauge 5 ins

Height of top of Gauge above Ground 3 ft. 10 ins

,, Ground ,, Sea Level 130 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	...	Trace	·15	Trace	·03	·14	·13	...	·70	·02	- - -	...	1
2	...	·04	·06	·40	...	·57	·09	Trace	·41	·06	- - -	·23	2
3	·03	Trace	·03	...	Trace	·03	·25	- - -	Trace	- - -	·53	·02	3
4	·02	·05	...	...	...	...	...	- - -	·43	- - -	- - -	·02	4
5	·01	Trace	·01	...	·08	·13	·06	·16	Trace	Trace	Trace	·02	5
6	...	·23	·03	...	...	·87	·01	·06	·03	·22	Trace	- - -	6
7	Trace	Trace	·01	...	·37	·12	·01	·05	·01	Trace	·25	...	7
8	·02	·02	·05	...	·10	·07	·46	·05	·18	- - -	·05	...	8
9	·01	·14	·09	Trace	·22	·17	·35	·09	- - -	·02	·23	·13	9
10	...	...	·13	...	·17	·09	·10	Trace	Trace	- - -	·04	- - -	10
11	Trace	·60	...	...	...	·02	·24	...	·29	Trace	Trace	- -	11
12	·11	...	...	...	...	·08	·10	·01	- - -	Trace	- - -	...	12
13	·02	...	·30	...	·01	·10	...	·01	- -	- - -	- - -	- - -	13
14	·03	·12	·01	·02	·01	·74	·06	·06	- - -	Trace	·19	·05	14
15	...	...	...	·21	...	·04	Trace	·12	·01	Trace	·05	Trace	15
16	·03	·24	...	·16	·02	- - -	Trace	·12	·06	Trace	·01	Trace	16
17	...	·15	...	·24	...	·12	·35	·12	Trace	·03	·04	Trace	17
18	·37	...	Trace	·01	...	·15	·29	Trace	·08	Trace	·58	- - -	18
19	·03	Trace	Trace	...	- - -	...	·23	·28	·05	·09	·01	- - -	19
20	...	·01	...	...	...	- - -	...	·14	Trace	·02	·01	- - -	20
21	·07	...	Trace	...	...	...	·05	·08	- - -	- - -	Trace	Trace	21
22	·10	·14	...	·28	Trace	...	·02	·04	Trace	- - -	Trace	Trace	22
23	·13	·01	...	·04	·08	·15	...	·03	·09	·44	·55	- - -	23
24	...	·02	...	·17	·36	Trace	·01	·12	Trace	·20	·09	- - -	24
25	...	...	Trace	·45	...	...	·11	- - -	- - -	- - -	·01	- - -	25
26	...	...	Trace	·21	Trace	...	·19	Trace	- - -	- - -	·37	- - -	26
27	·04	...	Trace	·18	...	...	·03	Trace	- - -	·15	·20	- - -	27
28	·24	·06	Trace	Trace	·46	...	Trace	- - -	Trace	- - -	Trace	- - -	28
29	·36	×	·05	...	...	...	·60	Trace	- - -	·15	·06	·24	29
30	·01	×	Trace	...	·15	...	...	- - -	- - -	- - -	·01	- - -	30
31	·31	×	...	×	·77	×	·08	Trace	×	Trace	×	- -	31
TOTAL	1·94	1·33	·92	2·37	2·83	3·59	3·32	1·54	2·34	1·40	3·28	·71	YEAR'S TOTAL 25·57
*Days with ·01 in. or more.	19	14	12	12	14	17	23	17	12	11	19	7	177
*Days with ·04 in. or more.	9	10	7	10	10	15	18	14	9	7	14	4	127

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(Signed) Sanderson

P.T.O.

*See Instruction 2 (*f*) on other side.

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3593

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. **Station No.** 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Newlands, Belford,

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 3 ft. 10 in.

„ Ground „ Sea Level 160 Approx ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	.04	...	...	.21	Trace	...	...	...	.06	.03	.09	.06	1
2	.05	...	...	.06	.17	...	.02	.01	.09	.30	.03	.02	2
3	.02	...	...	...	.01	.01	Trace	...	Trace	.10	.02	...	3
4	...	Trace	...	...	.13	...	.33	.22	Trace	...	.01	...	4
5	...	...	.04	.02	.07	...	...	...	.09	Trace	Trace	.06	5
6	.04	...	...	...	.01	...	...	...	.02	.02	...	.03	6
7	...	...	.23	...	.03	Trace	Trace	...	.17	.08	...	...	7
8	...	.03	.12	.12	.08	Trace	...	...	.28	.44	.13	.03	8
9	.39	.09	Trace	.07	.02	...	...	...	.10	.09	Trace	.06	9
10	Trace	.04	.03	.11	...	...	.10	...	.19	.07	.01	.07	10
11	.02	.07	...	.07	.20	.13	.17	.10	...	Trace	Trace	Trace	11
12	.07	.02	...	...	.25	...	.05	.15	...	.16	Trace	Trace	12
13	.03	.04	...	.06	.08	...	...	.05	.12	.12	...	.07	13
14	.01	...	Trace	.05	...	Trace	...	...	...	.04	.01	Trace	14
15	.07	...	...	.01	.11	...	Trace	Trace	Trace	.05	.07	Trace	15
16	.22	Trace	Trace	...	...	...	...	...	...	.02	.06	.09	16
17	...	...	...	Trace	.04	...	.03	.02	...	.48	.04	.14	17
18	...	Trace	...	...	.01	...	...	...	...	.01	...	...	18
19	...	Trace	.01	.04	.02	...	.01	Trace	.01	.15	Trace	...	19
20	...	...	.68	.03	Trace	...	...	.42	.06	Trace	Trace	.04	20
21	...	...	.28	.01	.15	...	Trace	.26	...	.62	...	.01	21
22	Trace	...	.36	.09	.06	...	.03	...	Trace	.02	.09	...	22
23	Trace	.03	.03	.09	...	...	.31	...	.13	Trace	Trace	...	23
24	...	.08	.05	.04	Trace	...	.16	...	.14	Trace	...	...	24
25	...	.06	...	...	.14	Trace	Trace	.04	.10	.02	Trace	Trace	25
26	...	Trace	.02	Trace	.15	...	.13	.01	.42	.13	...	Trace	26
27	Trace	Trace	.41	.04	.03	.40	.17	...	Trace	.78	...	Trace	27
28	...	...	.02	.15	.75	.17	.22	...	Trace	.22	...	...	28
29	...	Trace	.40	.04	.02	.02	.05	.47	.02	.17	.03	.09	29
30	Trace	×	.08	Trace	Trace	.37	.06	.04	1.56	.23	.02	Trace	30
31	...	×	...	×	...	×	.31	.11	×	.01	×	.02	31
TOTAL	.96	.46	2.76	1.31	2.53	1.10	2.15	1.90	3.56	4.36	.61	.79	YEAR'S TOTAL 22.49
*Days with ·01 in. or more.	11	9	15	19	22	6	16	13	17	25	13	14	180
*Days with .04 in. or more.	7	6	10	15	14	4	12	10	14	18	6	9	125

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*See Instruction 2 (f) on other side.

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(Signed)

P.T.O.

3593

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations. **Station No.** ~~3593~~.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 193 3 .

February at [illegible] ½" Low ✓

Kept at Newlands, Belford,

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft 8 in.

,, Ground ,, Sea Level I60 approx ft.

File Number 966309 / 29.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.03	...	...	...	.I0	...	...	Trace	Trace	.07	.06	.09		1
2	.I2	...	.I7	...	...	.I0	...	...	...	...	.92	.05		2
3	Trace	.04	.42	.II	.03	...	...	...	...	...	.38	Trace		3
4	.II	.0I	.03	.02	.02	...	...	...	...	...	Trace	.02		4
5	.02	.04	Trace	...	.02	...	...	...	...	...	Trace	Trace		5
6	...	.I2	Trace	...	...	...	...	.26	...	...	.0I	.09		6
7	...	.I0	...	...	.55	...	...	...	...	.90	Trace	.04		7
8	Trace	...	.08	...	.20	.I6	...	.I0	...	...	...	.32		8
9	Trace	.I5	...	...	.0I	.02	.I2	...	...	.I6	...	.28		9
10	. 02	.02	Trace	...	...	.I3	Trace	...	...	...	.36	.03		10
11	...	...	Trace	...	.07	...	.II	.08	...	.04	.0I	.02		11
12	...	...	...	...	...	.I2	.02	...	...	...	Trace	.I9		12
13	...	...	.02	...	Trace	...	.44	Trace	.03	...	.0I	.02		13
14	.03	...	...	...	.05	...	.23	.03	...	.09	.I0	.68		14
15	.26	...	.02	.I2	...	.06	...	...	...	.I4	.I4	.0I		15
16	.09	Trace	...	...	.08	.08	...	.06	...	...	.04	Trace		16
17	.34	.06	...	.I2	Trace	.02	...	.02	.02	...	.I8	Trace		17
18	.0I	.I0	.02	.06	.0I	.06	.I2	.06	...	...	.I8	...		18
19	...	Trace	.0I	...	...	...	.II	.09	...	...	.I0	Trace		19
20	Trace	.0I	...	...	.I6	...	...	...	.54	.03	.02	...		20
21	...	Trace	...	Trace	...	.02	...	.03	.I5	.04	.07	...		21
22	Trace	.02	...	...	...	...	.0I	.07	.0I	.76	Trace	...		22
23	Trace	.I2	...	...	.I6	.I3	...	Trace	.I9	.09	.06	...		23
24	...	.I8	...	.I3	.06	Trace	.08	.02	.23	.04	.03	...		24
25	...	.II	...	.23	...	...	.25	...	.36	.44	.07	.07		25
26	.05	.49	...	.07	...	...	...	...	.0I	.34	.I8	.I0		26
27	Trace	.07	...	...	.03	.0I	.45	...	...	.5I	.3I	.I3		27
28	.04	...	...	.I9	...	...	.23	.67	.02	.28	.03	.05		28
29	...		...	.58	...	...	.I7	.02	...	.I3	Trace	.08		29
30	.0I	×	...	.I9	...	...	.09	...	.02	.02	...	.05		30
31	.03	×	Trace	×	...	×	.I2	.06	×	...	×	.24		31
TOTAL	I.I6	I.64	.77	I.82	I.55	.9I	2.55	I.57	I.58	4.08	3.26	2.56	Year's Total 23.45	
*Days with ·01 in. or more.	I4	I6	8	II	I5	I2	I5	I4	II	I7	2I	20	I74	
*Days with .04 in. or more.	7	I2	3	I0	9	8	I3	9	5	I5	I5	I5	I2I	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) Sanderson

P.T.O.

3593

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~3595.~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934..

Kept at Newlands, Belford,

in the County of Northumberland.

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft 8 in.

,, Ground ,, Sea Level 160 approx ft.

File Number 966309/29.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.06	Trace	...	...	.05	.02	...	.24	Trace	Trace	...	.I5		1
2	Trace	.0I	.0I	.0I	...	...	...	.08	.I5	...	.05	.I5		2
3	...	Trace	...	...	...	...	...	.0I	...	.I0	.II	.06		3
4	...	...	...	.03	...	...	...	...	...	.05	.20	.85		4
5	...	...	.26	.05	.08	.03	...	.03	...	...	.I2	.0I		5
6	.11	...	...	.I4	.35	.I6	...	I.II	.05	.I0	I.03	.20		6
7	...	.03	...	.09	.09	.03	...	.0I	.05	.0I	.02	.05		7
8	...	...	.I2	...	.05	...	...	.0I	.03	Trace	.02	.03		8
9	...	...	.06	.60	...	...	...	.07	.0I	.03	.58	.02		9
10	...	...	.4I	.2I	...	...	...	.67	Trace	...	.37	...		10
11	.03	...	.47	.8I	.06	...	...	Trace	...	...	.II	.02		11
12	Trace	...	.I0	.27	.08	...	.06	.2I	...	...	.I6	.I2		12
13	.29	Trace	.03	.08	...	.06	.09	.08	...	.0I	.03	.0I		13
14	.34	...	.I9	.0I	.06	.02	.26	Trace	Trace	Trace	.0I	.I8		14
15	Trace	...	.24	.0I	.25	.03	...	.02	.03	.47	.04	.I7		15
16	.I0	...	.I4	...	.02	...	...	...	Trace	.09	.09	.02		16
17	.05	...	.02	Trace	.03	...	.49	...	.47	.06	.09	.26		17
18	.05	...	.03	.05	...	.II	.3I	.II	Trace	Trace	Trace	.03		18
19	...	...	.20	.I3	.03	.05	.02	Trace	.02	.06	.I2	.05		19
20	...	...	.2I	...	.0I	.I0	Trace	.2I	Trace	...	Trace	Trace		20
21	...	...	Trace	...	...	I.33	.0I	.09	.04	...	...	Trace		21
22	...	...	...	.03	...	.70	.02	.04	.I8	.02	.02	.27		22
23	...	...	.06	.I4	Trace	Trace	.08	...	...	.02	.02	.I5		23
24	...	.02	...	.07	.03	.08	.0I	.07	.02	.44	...	.05		24
25	...	.02	...	.03	...	Trace	.04	.04	.02	.I7	...	.59		25
26	Trace	Trace	...	.I2	...	.05	...	...	Trace	.06	...	.I0		26
27	...	.36	...	.09	...	.02	.05	...	.02	.32	...	.09		27
28	...	Trace	Trace	.39	...	Trace	.34	.28	...	...	...	.I8		28
29	.02		.II	.0I	...	...	.I9	.I5	.34	I.00	...	.06		29
30	.I0	×	.0I	...	...	...	.04	Trace	.03	I.47	...	...		30
31	.I0	×	Trace	×	...	×	...	.26	×	.0I	×	.04		31
TOTAL	I.25	.44	2.67	3.37	I.I9	2.79	2.0I	3.79	I.46	4.49	3.I9	3.9I	Year's Total. 30.56	
* Days with .01 in. or more.	11	5	I8	22	I4	I5	I5	2I	I5	I9	I9	27	20I	
* Days with .04 in. or more.	9	I	I3	I5	9	9	II	I6	7	I3	I3	20	I36	

40-9999

* See Instruction 2 (f) on other side.

M

† Spare column, no entries required

(*Signed*)

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

FILE NO 966309/29

Kept at NEWLANDS BELFORD
in the County of NORTHUMBERLAND
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 4 ft. 8 in.
" Ground " Sea Level 160 approx ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·28	...	·93	·05	...	...	·14	...	·25	·01	Trace	Trace		1
2	...	·01	·09	·02	Trace	·19	Trace	...	·03	·68	...	Trace		2
3	...	·03	·34	·04	...	·16	·07	...	...	·01	·25	...		3
4	...	·02	Trace	·01	...	·29	·11	...	Trace	·28	·14	...		4
5	·17	·02	...	...	...	·14	...	...	·06	·22	·01	...		5
6	·10	·02	...	...	...	·28	...	...	·05	·29	·03	...		6
7	·31	Trace	...	·19	...	·07	...	...	...	·06	·25	·03		7
8	...	...	Trace	·20	...	·23	...	...	...	Trace	·07	...		8
9	Trace	·09	Trace	·17	·01	Trace	...	...	...	·12	·25	·07		9
10	...	·09	Trace	·02	Trace	·10	·02	...	...	·03	·07	Trace		10
11	·08	...	...	...	·03	·09	...	1·02	Trace	...	·03	·05		11
12	...	Trace	...	...	Trace	·03	...	Trace	·01	...	...	·02		12
13	·06	·02	...	...	·32	·04	·24	...	Trace	...	Trace	·05		13
14	...	Trace	·01	·03	...	·06	·01	...	Trace	·15	·17	·10		14
15	...	·18	...	·24	·27	·15	...	·08	·06	·05	·02	·12		15
16	...	·22	·06	·29	·27	·14	·07	·31	·80	...	·25	·17		16
17	...	Trace	Trace	·28	·48	Trace	·09	·03	·04	·03	·79	·20		17
18	·03	Trace	...	Trace	·02	·02	·20	·07	·11	·14	·03	·04		18
19	·02	·05	...	·02	...	·21	·14	Trace	·03	·04	Trace	·08		19
20	Trace	·03	...	·49	...	·09	·06	...	...	..	Trace	Trace		20
21	...	...	·22	·28	...	...	...	...	·43	·20	Trace	...		21
22	...	·22	·05	·60	...	...	...	...	·34	Trace	·03	...		22
23	·03	...	·03	·04	...	...	...	·01	...	·10	Trace	...		23
24	·02	·05	·09	Trace	...	...	...	Trace	·05	Trace	...	·27		24
25	·03	...	...	Trace	...	·02	·03	...	...	...	·02	·18		25
26	·16	...	...	·06	·03	·03	·02	1·22	·45	·26	·02	·34		26
27	·05	·09	...	Trace	·01	·03	...	·41	·07	·25	·07	·01		27
28	·03	Trace	·02	...	Trace	...	...	Trace	·05	·14	·03	...		28
29	·01		·30	...	...	·05	...	·12	·10	·10	...	·10		29
30	...	✕	·01	...	...	·33	...	·80	·18	·16	·56	·01		30
31	...	✕	...	✕	...	✕	...	·01	✕	·05	✕	·15		31
													Year's Total	
TOTAL	1·38	1·14	2·15	3·03	1·44	2·75	1·20	4·08	3·11	3·37	3·09	1·99	28·73	
* Days with .01 in. or more.	15	15	12	18	9	22	13	11	18	22	20	18	193	
* Days with .04 in. or more.	8	8	8	13	4	17	9	8	15	18	11	14	133	

40-9999.

* See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 2090.

REGISTER OF RAINFALL IN 1936.

Kept at Belford Newlands

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·35	·92	·11	—	—	·03	·13	·29	·39	·03	·01	—		1
2	·25	·03	·02	—	—	—	·14	·06	·08	·01	·02	·20		2
3	·07	·04	tr	—	—	·96	·10	·02	·69	TR	-	—		3
4	·41	—	·05	—	·02	tr	—	·16	·36	·08	·04	—		4
5	·12	—	—	—	·04	·07	—	·04	·03	·01	·01	—		5
6	·06	—	—	·02	·07	—	·14	·30	·25	·01	·19	tr		6
7	·09	—	·03	—	tr	—	·23	tr	·04	·15	·10	·02		7
8	·06	tr	·10	—	—	—	—	·07	—	·15	·04	—		8
9	·38	—	·62	—	—	·20	—	·07	·08	·14	·14	—		9
10	·12	—	tr	·09	—	—	·02	—	tr	·03	·01	—		10
11	—	—	—	·10	—	·03	—	·05	·07	·03	·43	·02		11
12	·06	—	—	·12	·14	·03	·03	tr	·38	·01	·09	·02		12
13	tr	—	—	·15	·02	tr	·41	—	tr	·16	·03	·49		13
14	—	—	—	·21	—	·39	tr	·01	·14	—	TR	·08		14
15	—	tr	·07	·11	tr	·14	·09	·06	tr	·01	·02	·03		15
16	·05	—	—	·07	—	·07	·07	—	—	·01	·31	·01		16
17	·07	·21	—	·07	·09	—	·26	—	tr	·12	·65	·06		17
18	—	·08	tr	·05	—	—	·07	·02	·06	·23	·02	—		18
19	·15	·21	—	—	—	—	·15	tr	tr	·17	TR	—		19
20	·14	·08	·02	—	—	—	·02	—	—	·01	TR	·07		20
21	·15	·07	—	·07	·07	—	1·05	·02	—	—	-	·09		21
22	—	·25	·03	—	·10	·04	·07	—	—	—	-	—		22
23	—	·17	·07	·11	—	—	·25	—	—	TR	-	—		23
24	·07	·19	·07	—	·54	—	·07	—	·65	·09	-	—		24
25	·14	tr	·04	—	·04	—	·14	—	·05	—	-	·02		25
26	·08	·02	·04	—	·02	—	·23	—	·15	·07	TR	—		26
27	·04	·07	·09	—	—	—	—	—	·12	·01	·03	—		27
28	·06	·21	tr	·02	—	—	—	—	—	—	-	·01		28
29	·95	·19	·22	—	·09	·43	—	—	—	·15	-	·02		29
30	·03	✕	tr	—	·07	·02	·22	—	—	·08	-	tr		30
31	tr	✕	·02	✕	·07	✕	—	—	✕	TR	✕	tr		31
TOTAL	3·78	2·62	1·42	1·07	1·14	2·24	3·65	1·17	3·48	1·61	2·14	1·08	Year's Total 25·34	
* Days with .01 in. or more.	23	15	16	13	14	12	21	13	16	22	17	14	196	
* Days with .04 in. or more.	20	11	8	8	7	6	14	9	14	11	9	5	122	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Belford, Newlands

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	.04	.30	.03	–	.16	–	–	.12	.08	.01	.10		1
2	–	.06	.01	.19	–	.12	–	–		.05	–	.10		2
3	–	.16	–	.11	.22	.13	.45	–	.05	–	–	.04		3
4	.14	.03	.14	–	.36	.07	.20	.05		–		.11		4
5	–	–	.12	.01	.40	.01	.08	–	.01	–	–	.23		5
6	–	–	.04	–	.04	–	.01	–	.08	–	.09	.12		6
7	–	.06	.10	.10	–	–	.43	–		–	.12	.58		7
8	–	.38	.10	–	–	–	.20	–		.07	.15	.33		8
9	–	–	.35	.20	–	–	.25	.15		–	.06	.17		9
10	–	–	.15	.01	.06	.01	.08	–		–	.09	.16		10
11	–	–	.15	–	.01	.03	–	–		–	.02	.37		11
12	.17	.17	.53	.06	–	–	–	–	.03	.01	.04	–		12
13	–	.05	.28	.01	.09	.05	.13	.03	.28	–	–	.71		13
14	–	–	.04	.01	–	.52	.01	1.15	.04	–	–	.31		14
15	.07	.26	–	.22	–	–	.27	.01	.03	–	.01	.17		15
16	–	.02	.32	.41	.01	.05	–	.07	.01	–	.06	.30		16
17	.21	.01	.27	.04	.01	.08	–	.01	.29	–	.01	.03		17
18	–	.07	.07	–	–	.20	–	.10		–	–	–		18
19	–	–	–	.07	–	.05	–	.03		–	.15	–		19
20	.09	–	.09	.05	1.45	–	.05	.02	.01	.18	.01	.01		20
21	.03	–	–	.10	.12	–	.18	–		.07	–	.05		21
22	.07	–	.15	–	.04	–	.05	.03		.03	–	.03		22
23	.17	–	.01	–	.03	.01	.04	–		1.39	.03	.03		23
24	.20	–	–	–	.05	–	.53	–	.04	.22	–	.02		24
25	.11	.28	–	–	.12	–	–	.04		.21	–	–		25
26	.15	.25	.09	–	.59	–	–	–		–	–	–		26
27	.01	.51	.04	.04	–	–	.03	–		.33	–	.01		27
28	.09	.03	–	–	–	.01	–	.02		.12	–	.04		28
29	.22	–	–	–	–	.05	–	.38		.10	.06	.08		29
30	.28	✕	–	–	–	.05	–	.49	.02	.01	.06	.01		30
31	.33	✕	–	✕	–	✕	–	.18	✕	.35	✕	–		31
													Year's Total	
TOTAL	2.34	2.38	3.35	1.66	3.60	1.60	2.99	2.76	1.01	3.22	.97	4.11	29.99	✓ ✓
* Days with .01 in. or more.	16	16	21	17	16	17	17	16	13	15	16	25	205	✓ ✓
* Days with .04 in. or more.	14	12	19	12	12	12	14	9	7	12	10	18	151	✓ ✓

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Copy by B.R.O.

Kept at Belford Newlands

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft. 8 in.

,, Ground ,, Sea Level 130 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	·03				99	·09	—	·42	TR	·05	—		1
2	·09	—		·04		·39	·10	—	·10	·30	·02	·08		2
3	·13	—				·10	·02	—	·11	·60	·13	TR		3
4	·04	—		·01		·01	·29	·02	TR	·01	·05	·30		4
5	—	05	·01				tr	·05	·05	·04	TR	TR		5
6	·01	—				·03	·12	·06	·37	·09	—	—		6
7	—	—					·57	·01	·09	·01	·32	·02		7
8	·12	—					·12	·03	—	·48	·72	·11		8
9	81	·05	·02		·24		·06	·01	TR	·01	TR	·31		9
10	—	·01				36	·02	·01	·02	·03	—	·06		10
11	·02	—			·07	·08	·07	—	—	·06	·06	·09		11
12	·20	·05			·04		·01	·73	—	·11	·25	TR		12
13	·02	·15			·01		·15	·09	·32	TR	·11	·14		13
14	·29	·01			·04		—	—	TR	—	TR	·02		14
15	·08	·05			·06		·03	·28	—	·02	—	·38		15
16	·12	·02			03		·04	·02	1·18	·01	TR	·16		16
17	·01	—			·08		tr	·04	·04	·54	—	TR		17
18	·01	·05			02	·23	—	tr	·07	·15	·20	·06		18
19	—	—	·06		·01		·01	·05	·10	TR	TR	·13		19
20	—	—	·37				—	tr	·05	—	—	·15		20
21	—	—			·02		—	·06	—	—	·01	·11		21
22	—	—	·03	·01	·09		—	—	—	—	·25	·22		22
23	·02	—		·01	·05	·19	—	—	—	—	·18	·05		23
24	·01	—	·01	·07			—	·73	·12	·42	·04	·08		24
25	—	—			·08		·39	tr	TR	·14	TR	·10		25
26	—	·15	·02	·06		·02	tr	—	·01	·13	—	TR	4	26
27	·04	·03		·02	·18	·02	·28	·11	·04	·20	—	·05		27
28	·15	—			·42	·23	·02	tr	·08	·01	—	·06		28
29	—	X		·01	·02		tr	·01	TR	·02	·09	TR		29
30	·05	✕			·03		—	1·09	·51	TR	·04	—		30
31	·12	✕		✕	·27	✕	—	·02	✕	·03	✕	·24		31
TOTAL	2·34	·65	·52	·23	1·76	2·65	2·39	3·42	3·68	3·44	2·52	2·92	Year's Total 26·52	
* Days with .01 in. or more.	20	12	7	8	19	12	18	19	18	22	16	22	193	
* Days with .04 in. or more.	13	7	2	3	12	8	12	11	16	13	14	20	131	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) C. H. Sanderson Esq.

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Belford, Newlands

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft. 8 in.

,, Ground ,, Sea Level 130 ft.

Copy by B.R.O.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·26	–	·01	TR	–	–	–	·01	·04	·06	·01	·06		1
2	·38	–	·01	·08	–	–	tr	·09	·16	·01	·03	tr		2
3	–	–	·02	·03	–	–	·01	·16	·15	·03	·04	·05		3
4	·09	–	·20	·01	–	–	·02	tr	·10	·01	·31	·14		4
5	–	–	tr	–	·12	–	·28	·26	tr	·30	·31	·27		5
6	·17	–	·01	–	tr	–	·22	tr	·01	·48	tr	·01		6
7	·03	–	·02	–	–	–	·01	–	·01	·01	tr	·08		7
8	·14	·06	·10	·22	tr	–	·06	·03	–	·02	·03	·40		8
9	·01	·04	tr	TR	–	tr	·33	·25	·09	·49	tr	·04		9
10	TR	–	·04	TR	–	·02	–	·02	·83	·27	·03	tr		10
11	·09	–	·25	–	–	·09	tr	tr	·01	38	·02	·02		11
12	TR	–	·02	–	–	·01	·27	–	·03	23	·04	tr		12
13	TR	–	·09	–	·24	·02	·26	–	05	·06	tr	tr		13
14	·37	–	·06	–	·07	·16	·18	–	–	·23	·09	·01		14
15	·04	·02	·01	–	·01	·37	–	–	–	·04	tr	·12		15
16	·15	–	·02	–	·03	·01	–	–	–	tr	tr	·03		16
17	·48	·02	·01	–	·08	·01	·30	–	–	–	·04	tr		17
18	·27	TR	·08	–	·01	·07	·06	–	–	·02	30	–		18
19	·14	–	–	–	·06	·47	tr	–	–	tr	tr	·03		19
20	·01	–	tr	·06	·12	·01	·02	·03	–	tr	–	tr		20
21	·08	·25	·03	·25	·07	tr	–	·03	–	–	–	tr		21
22	·16	·20	–	TR	tr	tr	tr	tr	–	–	10	tr		22
23	·05	·10	–	·01	–	·14	·09	–	05	–	tr	–		23
24	TR	·01	·18	·22	·02	·11	–	·02	tr	·05	10	–		24
25	·08	–	·05	·15	–	tr	–	·02	–	·23	·07	·15		25
26	·11	–	·03	·05	–	–	–	·22	·04	60	·22	·04		26
27	·03	·08	·37	·05	–	–	·07	·01	·04	·12	·02	·02		27
28	·03	·05	·15	·07	–	–	·12	·01	tr	tr	·20	·05		28
29	·01	—	·07	–	–	–	·47	–	tr	·16	–	·03		29
30	·06	✕	·01	·02	–	·09	·06	–	·15	·04	·47	–		30
31	TR	✕	·02	✕	–	✕	·18	–	✕	·02	✕	–		31
TOTAL	3·27	·83	1·86	1·22	·83	1·58	3·01	1·16	1·76	3·86	2·43	1·55	Year's Total 23.36	
* Days with .01 in. or more.	24	10	25	13	11	14	19	14	15	23	19	18	205	
* Days with .04 in. or more.	18	7	12	9	7	8	15	5	11	16	13	11	132	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3593

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

Kept at Belford (Newlands)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 4 ft. 8 in.

,, Ground ,, Sea Level 160 ft.

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	-	tr	-	-	TR	tr	.07	-	-	-	·01	.11		1
2	.03	tr	-	.02	-	-	·19	-	-	-	·41	·10		2
3	.02	·14	-	·14	-	-	.12	-	-	.03	·01	tr		3
4	-	·49	-	·01	-	-	·08	-	-	.07	·01	·08		4
5	tr	·03	-	-	·27	-	·04	·01	-	.13	·24	·12		5
6	.03	·04	-	-	-	-	·25	-	-	·17	·27	·19		6
7	·18	·18	·13	.04	·03	-	·24	·06	-	tr	tr	·02		7
8	tr	·01	·01	tr	-	·01	·03	·11	·14	·18	·08	·05		8
9	tr	-	·31	-	-	-	·26	tr	·01	·22	·22	-		9
10	-	·03	·03	-	-	-	1.15	·03	·09	tr	·25	-		10
11	-	·05	·48	-	-	-	·25	-	·12	-	·35	·05		11
12	-	tr	·61	-	-	·19	tr	-	·07	-	·03	·01		12
13	-	·48	·03	-	-	-	1·30	·02	·04	-	tr	tr		13
14	tr	·13	·02	·01	-	-	·66	-	·06	·03	-	·18		14
15	·11	-	-	-	·07	·32	tr	-	-	tr	·20	·01		15
16	·04	-	·01	tr	-	tr	·64	-	1·10	·22	·02	tr		16
17	-	-	·07	-	-	-	·70	-	·10	·20	·22	tr		17
18	-	-	·16	-	-	-	·02	·09	·03	tr	·14	·02		18
19	tr	·04	·01	·02	-	-	·03	·10	·14	tr	·20	·03		19
20	-	tr	·01	·13	·01	-	·03	·19	·01	-	·02	tr		20
21	55	-	·13	12	-	·48	-	·07	-	·31	-	-		21
22	·22	-	·05	tr	TR	·10	-	·02	·24	·05	-	-		22
23	·01	·11	·15	·11	·01	·01	·08	-	·01	·01	·06	·02		23
24	06	·02	tr	·03	·18	-	·05	-	·02	·18	tr	·08		24
25	tr	tr	tr	tr	·01	-	·08	-	-	·03	-	·05		25
26	·08	·03	-	·14	·26	·03	·29	·13	·05	·10	tr	tr		26
27	·02	·20	·02	·02	TR	-	tr	tr	-	·09	-	·04		27
28	·04	·05	tr	·02	-	-	-	·10	-	·02	·13	·02		28
29	·08	tr	·46	·01	-	·03	·02	-	-	·04	tr	·16		29
30	·09	✕	tr	tr	·21	-	-	-	-	·16	tr	·42		30
31	·22	✕	·15	✕	·05	✕	-	-	✕	·11	✕	·32		31
TOTAL	1·78	2·03	2·84	·82	1·10	1·17	6·58	·93	2·23	2·35	2·87	2·08	Year's Total 26·78	
* Days with .01 in. or more.	16	16	19	14	10	8	23	12	16	20	19	21	194	
* Days with .04 in. or more.	11	11	11	6	6	4	18	8	11	15	13	14	128	

·53

† Spare column, no entries required.

(*Signed*) C. H. Sanderson Esq.

* See Instruction 3 (f) on other side.

[P.T.O.

3594

Section **A** for the entry of Dai

AIR MINISTRY.—

FORM 1090.

REGISTE

Kept at Glanton P

in the County of Northum

Diameter of Funnel of Gauge 8

Height of top of Gauge above Ground

,, Ground ,, Sea Level

THE MORNING MEASUREM

An observer who does not conform to this
year in the space on the right of this pa

Plea

3594

GLANTON PYKE

1931, 32, 35

780702

FOR OFFICIAL USE.

RGANIZATION.

g

Jan. 1, following

Date	Jan.	Feb.	March	Apr							v.	Dec.	Date
	in.	in.	in.	in								in.	
1	.	.	.17	.	.7	.6	.13	.3	.82	.2	.3	.	1
2	.	.7	.7	.42	.	.73	.5	.3	.27	.8	.	.15	2
3	.3	.2	.6	.2	.	.10	.25	.	.4	.3	.80	.23	3
4	.4	.5	.	.2	.	.7	7	.2	1.2	.2	.3	.9	4
5	-	.3	.2	.	.12	.16	.8	.26	.3	.2	.	.25	5
6	-	.16	.15	.	.3	.91	.8	.19	.17	.10	.3	.2	6
7	-	.	.10	.	.17	.15	.4	.5	.2	.2	.48	.2	7
8	.	.2	.5	.	.14	.32	.57	.13	.4	.2	.7	.	8
9	-	.11	.9	.	13	.17	.45	.16	.	.22	.18	7	9
10	-	.2	.20	.	.16	.12	.10	.3	.	.2	.5	.2	10
11	-	.19	.	.3	.	.4	.14	-	.6	.2	.	.	11
12	.10	.2	.	.	.	.16	.8	.15	.	.2	.	.	12
13	.6	.	.11	.	.8	.8	.6	.5	.3	.	.	.	13
14	-	10	.	.2	.9	.90	.4	.15	.	.	.20	.9	14
15	.12	.	.2	.27	-	.10	.2	.6	.5	.	.5	.5	15
16	-	.28	.	.11	.3	.3	.17	.20	.12	.2	.	-	16
17	-	.10	.	.40	.	.13	.30	1.13	.	.6	.4	-	17
18	.37	.20	.	.90	.	.26	.26	.2	.3	.	.48	-	18
19	.5	.2	.	.	-	.6	.32	.54	.8	.11	-	.	19
20	.	.4	.	.	.	.4	.2	.24	.3	.	.4	.2	20
21	.3	.	.	.6	.	.11	.2	.24	.2	.	.	.	21
22	.17	.4	.	.16	.7	9	.9	.3	.	.	.5	.	22
23	.16	.4	.3	.18	.19	.26	.	.4	8	.21	.83	.	23
24	.4	.3	.	.19	.44	.2	.5	2	.3	.17	.14	.	24
25	-	.2	.	.71	.	.	.18	.	.	.	.4	.	25
26	.	.	.	.23	.	.	.8	.	.	.	.44	.	26
27	.4	.	.9	.16	.	.	.4	.	.	.11	.23	.6	27
28	.17	.2	.2	.8	.41	.	.7	-	.4	.	.4	.	28
29	.29	.	.3	.	.2	.	.7	.	.2	.28	.10	.45	29
30	.25	×	.4	.	.20	.	.	.	.3	.	.	.	30
31	.24	×		×	.40	×	.11	.	×	.4	×	.	31
TOTAL	2.18	1.58	1.25	3.93	2.75	5.07	3.87	3.86	3.03	1.69	4.35	1.52	YEAR'S TOTAL 34.92
*Days with ·01 in. or more.	16	21	16	17	17	24	29	22	21	20	21	13	237
*Days with ·04 in. or more.	14	12	11	13	14	22	26	15	12	10	18	9	176

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Walter Richardson

P.T.O.

Section A for the entry of Dai FOR OFFICIAL USE. 3594

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Glanton Pyke

in the County of Northumberland

Diameter of Funnel of Gauge 8 in.

Height of top of Gauge above Ground 4 ft 6 in.

" Ground " Sea Level — ft.

3394

~~Total 4 pags~~

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·	·	·17	·	·7	·6	·13	·3	·82	·2	·3	·	1
2	·	·7	·7	·42	·	·73	·5	·3	·27	·8	·	·15	2
3	·3	·2	·6	·2	·	·10	·25	·	·4	·3	·80	·23	3
4	·4	·5	·	·2	·	·7	4	·2	1·2	·2	·3	·9	4
5	-	·3	·2	·	·12	·16	·8	·26	·3	·2	·	·25	5
6	-	·16	·15	·	·3	·91	·8	·19	·17	·10	·3	·2	6
7	·	·	·10	·	·17	·15	·4	·5	·2	·2	·48	·2	7
8	·	·2	·5	·	·14	·32	·67	·13	·4	·2	·7	·	8
9	-	·11	·9	·	13	·17	·45	·16	·	·22	·18	7	9
10	-	·2	·20	·	·16	·12	·10	·3	·	·2	·5	·2	10
11	-	·19	·	·3	·	·4	·14	-	·6	·2	·	·	11
12	·10	·2	·	·	·	·16	·8	·15	·	·2	·	·	12
13	·6	·	·11	·	·8	·8	·6	·5	·3	·	·	·	13
14	-	10	·	·2	·9	·90	·4	·15	·	·	·20	·9	14
15	·12	·	·2	·27	-	·10	·2	·6	·5	·	·5	·5	15
16	-	·28	·	·11	·3	·3	·17	·20	·12	·2	·	-	16
17	-	·10	·	·40	·	·13	·30	1·13	·	·6	·4	·	17
18	·37	·20	·	·90	-	·26	·26	·2	·3	·	·48	-	18
19	·5	·2	·	·	-	·6	·32	·54	·8	·11	-	·	19
20	·	·4	·	·	·	·4	·2	·24	·3	·	·4	·2	20
21	·3	·	·	·6	·	·11	·2	·24	·2	·	·	·	21
22	·17	·4	·	·16	·7	9	·9	·3	·	·	·5	·	22
23	·16	·4	·3	·15	·19	·26	·	·4	8	·21	·83	·	23
24	·4	·3	·	·19	·44	·2	·5	2	·3	·17	·14	·	24
25	-	·2	·	·71	·	·	·18	·	·	·	·4	·	25
26	·	·	·	·23	·	·	·8	·	·	·	·44	·	26
27	·4	·	·9	·16	·	·	·4	·	·	·11	·23	·6	27
28	·17	·2	·2	·8	·41	·	·7	-	·4	·	·4	·	28
29	·29	·	·3	·	·2	·	·7	-	·2	·28	·10	·45	29
30	·25	×	·4	·	·20	·	·	·	·3	·	·	·	30
31	·24	×		×	·40	×	·11	·	×	·4	×	·	31
TOTAL	8 2·13	8 1·55	1·25	3·93	2·75	5·07	3·87	3·80	3·03	1·69	4·35	1·52	YEAR'S TOTAL 34·992
*Days with ·01 in. or more.	16	21	16	17	17	24	29	22	21	20	21	13	237
*Days with ·04 in. or more.	14	12	11	13	14	22	26	15	12	10	18	9	176

40-9999

(Signed) Walter Richardson

P.T.O.

*See Instruction 2 (*f*) on other side.

3594

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3594

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Glanton Pyke

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

July ½" low

[illegible]

Obs^r agrees to July amendment.
f. 77874-4/27.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·9	·2		·4	·2		·41		·44	·66	·6	·18	1
2	·11		·2	·14	·2					·18	·8	·21	2
3	·5	·2		·8	·25				·38	·30	·6	·17	3
4	·3		·2	·8		·2	·8						4
5	·3		·6	·2	·14		·38						5
6	·6	·8	·4	·3	·8				·14			·5	6
7			·28	·4	·3				·22	·12		·10	7
8			·3	·2	·4				·21	·2		·18	8
9	·33		·11	·38		·4			·13	·59	·6		9
10	·3	·10	·6	·12	·2				·8	·8			10
11		·24	·8	·8	·16				·12	·18			11
12	·15	·3		·2	·39	·16	·17	·3		·8			12
13	·12	·10		·16	·14		·3		·16		·5		13
14	·7			·9	·3			·10		·2		·21	14
15	·20			·2	·15						·12		15
16	·42		·5		·2					·7		·5	16
17	·2		·2		·6		·14			·63		·30	17
18				·3	·9		·4				·10		18
19		·3	·4		·3								19
20			·36	·11	·4				·3	·18		·2	20
21			·20	·6	·6				·23		·18		21
22		·2	·43	·3	·26				·34	·45			22
23	·2	·10	·2	·16	·3			·23					23
24		·10	·2	·15	·4		1.00	·19					24
25		·6			·11				·10				25
26		·2			·11			·15	·22	·14	·10		26
27					·21			·5	·66				27
28		·3	·62	·15	·6	·2		·18		·53			28
29			·3	·10	·45	·61		·4					29 26·18
30		×	·37	·3	·5	·14		·10		·8		·11	30 ~~2[illegible]~~
31		×	·9	×		×		·15	×	·40	×		31 ~~90~~
TOTAL	9 1·~~1~~3	5 ·9~~3~~	5 2·9~~7~~	2.14	3·19 ~~2·06~~	·99	2·25	1·22	6 3·4~~3~~	1 4·7~~7~~	·81	1·58	YEAR'S TOTAL 23·87
*Days with ·01 in. or more.	15	14	21	24	28	6	12	10	15	18	9	11	183 ~~178~~
*Days with .04 in. or more.	10	7	14	16	20	4	10	9	14	16	9	10	139 ~~135~~

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) A. E. Warburton

P.T.O.

F7787 44/27

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3594

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

N' [illegible] /5.

Kept at GLANTON PYKE

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge ~~5~~ 6 in.

Height of top of Gauge above Ground 3 ft 6 in.

,, Ground ,, Sea Level .... ft.

Observer not [illegible] letter 17·4·36

1933 NR

1934 returned – file

Hw. 30th Dec. 26th corr. by [illegible]. Letter 17·4·36

3795

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

file [illegible]

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·23	–	·52	·04	–	–	–	–	·49	–	·06	–		1
2	·04	–	·10	–	–	·35	–	–	–	·10	–	–		2
3	–	–	·08	–	·07	·42	–	–	–	·08	·10	–		3
4	–	–	·10	–	–	·05	–	–	–	·07	·07	·20		4
5	·32	–	·02	–	–	·03	–	–	·18	·03	–	·04		5
6	·11	–	–	·29	–	·11	–	–	–	·02	·32	–		6
7	·14	–	–	·17	–	·23	–	–	–	·02	–	–		7
8	–	–	–	–	–	·04	–	–	–	–	·10	–		8
9	–	·09	–	·32	–	–	–	–	–	·03	·45	–		9
10	–	·07	–	·41	–	·12	–	–	–	–	–	·31		10
11	·51	·05	–	–	–	·06	–	·61	–	–	–	–		11
12	–	–	–	–	–	·14	–	–	–	–	·37	–		12
13	·10	·03	–	–	·40	·32	·33	–	·04	·03	·20	–		13
14	–	–	·06	·25	–	·12	–	–	·14	–	·05	·07		14
15	–	·14	–	·17	–	–	–	·03	–	·02	·14	–		15
16	–	·26	·08	·45	–	·10	·05	·04	·82	–	–	–		16
17	–	–	–	–	–	·61	–	·38	·05	–	·32	–		17
18	·07	·11	–	·21	·10	·10	·08	·07	·11	·02	·21	·29		18
19	·02	·18	–	–	–	·13	·31	–	·02	–	–	·15		19
20	–	·07	–	·22	–	·11	–	–	–	·35	–	–		20
21	–	·09	·08	·63	–	·08	–	–	–	·26	–	–		21
22	–	–	·12	·39	–	–	–	·06	·14	–	–	–		22
23	·02	–	–	·05	–	·11	–	–	–	·21	–	–		23
24	–	–	·05	–	–	·05	–	–	·34	·08	·36	–		24
25	–	–	·02	–	–	·15	–	–	–	–	·21	·48		25
26	–	–	–	·14	–	–	–	1·56	·25	–	–	·79 (~~1·09~~)		26
27	–	·05	–	–	–	–	–	–	·08	·05	–	·31		27
28	–	–	–	·08	–	–	–	–	·06	·16	·08	–		28
29	–	×	·29	–	–	–	–	–	·02	·35	·03	·12		29
30	–	×	·02	–	–	–	–	·61	·02	·14	(·60)	–		30
31	–	×	–	×	–	×	–	–	×	·04	×	·07		31
TOTAL	1·56	1·14	1·54	3·82	·57	3·43	·77	3·36	2·76	2·06	6 (3·~~0~~7)	(2·28) ~~3·13~~	Year's Total ~~27·21~~	(26·91)
*Days with ·01 in. or more.	10	11	13	15	3	21	4	8	15	19	16	11	134	
*Days with ·04 in. or more.	8	10	10	15	3	20	4	7	12	12	15	11	127	

40-9999

*See Instruction 2 (*f*) on other side.

N

† Spare column, no entries required.

(Signed) G. Knox

J. W. SALE ESQ

[P.T.O.

BRANTON

ILE

(3594/3)

3594/3

BRANTON SCHOOL

1939, 40

7P0702

FORM 1090. **B** M
S

, The following register of mo
&c., is NOT required if dai
values are given on the oth

and also the space for

register should be sent:—

RAINFALL IN 19

ALNWICK North d/.

At BRANTON

In the County of Northumber

...in Summer 9 am

Rain Gauge
Diameter of Funnel 5
Height of Top above Ground 1
Height of Ground above Sea Level.

ile, Direction from ~~1200yd~~ gauge 22°

Iml. 1200x Direction from gauge 240°

Month	Total Depth	~~Greatest Fall in 24 hours~~			
	Inches	Inches	Date		
JAN.	4·86	average		2·	37
FEB.	1·53	for		2·	17
MAR.	3·42	Seven		2·	78
APRIL	1·14	Years		2·	04
MAY	1·10	1932		2·	01
JUNE	1·78			2·	58
JULY	3·00	1938		1·	93
AUG.	1·86			2·	69
SEPT.	1·63			2·	32
OCT.	5·29			3·	93
NOV.	2·98			2·	95
DEC.	1·00			3·	22
TOTAL	29·59			30·	99

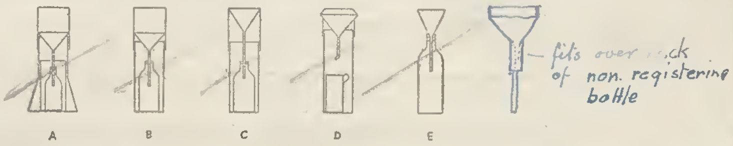
Directions from gauge ... East.

If gauge has been moved during the year state—

Date of move.................... Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

N.B. 1/ No special dates were noted as to the rainfall.

2/ Owing to my living 1½ miles away, Fri. Sat's rainfall was included in Sunday's when taken at 9.am on Mon at 9.am. This year I hope to arrange daily readings.

3/ As these records are the first we have supplied to you, I have given you the Average for the 7 years 1932 – 38 incl. I have the monthly records for this period if you require them.

4/ Jan was wettest, Dec was driest ~~month for [illegible]~~ for Jan Dec respect.

Print wt.

The Headmaster

Signature (Edward Robson)

~~name form [illegible]~~

* See Instruction 3 (*f*) below.

M.O. 7

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*
9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 }·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W.H.&S. 668/91 S.O. Code No. 40-9999

BRANTON

FORM 1090. **B** M Summary. **C** Particulars of Station.

3594/3

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

At BRANTON

In the County of Northumberland

Rain Gauge
- Diameter of Funnel 5 in.
- *Height of Top above Ground* 1 *ft.* — *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month	Total Depth	~~Greatest Fall in 24 hours~~		~~Number of Days with~~ .01 in. or more	~~Number of Days with~~ .04 in. or more
	Inches	Inches	Date	*	*
JAN.	4·86	Average		2·	37
FEB.	1·53	for		2·	17
MAR.	3·42	Seven		2·	78
APRIL	1·14	Years		2·	04
MAY	1·10	1932		2·	01
JUNE	1·78	/		2·	58
JULY	3·00	1938		1·	93
AUG.	1·86			2·	69
SEPT.	1·63			2·	32
OCT.	5·29			3·	93
NOV.	2·98			2·	95
DEC.	1·00			3·	22
TOTAL	29·59			30·	99

Print wt.

The Headmaster

Signature Edward Robson

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Mr. J. E. ROBSON Headteacher
Branton. POWBURN ALNWICK North d/.

Hour of observation by the clock—in Winter 9 am in Summer 9 am

Nearest Railway Station Hedgeley Distance 1 mile ~~1m 1200yd~~ Direction from gauge 22°

Nearest Parish Church at Ingram Distance 1ml. 1200x Direction from gauge 240°

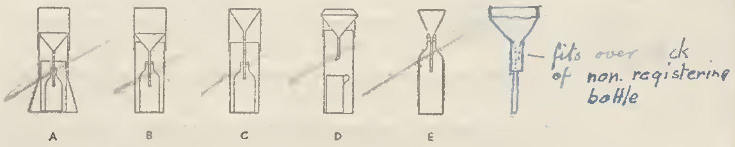
Nature of objects nearest to gauge	Branton Presbyt. Church			
Height of objects	50-60 ft			
Distances ...	50 yds			
Directions from gauge ...	East			

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

N.B. 1/ No special dates were noted as to the rainfall.

2/ Owing to my living 1¼ miles away, Fri's Sat's rainfall was included in Sunday's when taken at 9.am on Mon at 9.am. This year I hope to arrange daily readings.

3/ As these records are the first we have supplied to you, I have given you the Average for the 7 years 1932 - 38 incl. I have the monthly records for this period if you require them.

4./ Jan was wettest, Dec was driest ~~month for~~ [illegible] for Jan & Dec respect.

M.O. 7

D INSTRUCTIONS.

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2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations — Station No. 3594/3

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193~~1~~40

Acfs.

Kept at BRANTON Powburn.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. - in.

,, Ground ,, Sea Level 300 ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1						.05								1
2	.08			.13				—			.87			2
3	T						.33	no readings taken				.10		3
4		1.25					.35			.18				4
5					.12		.25			.25	.15			5
6	.10	.10									.40	1.07		6
7	.09	.11	.14	.10	.14		.12			.60				7
8			.22						.11			.07		8
9							.10			.15				9
10							1.40	.25 ~~.05~~			.50			10
11		.06	.70				.25				.50			11
12		.20	1.00						.14		.14			12
13						.04	.90							13
14			.09				1.28							14
15	S .06									.34		.34		15
16	S .20						.62		1.08			.10		16
17			.09				1.06		.12	.20	1.00	.08		17
18			.25	.05					.11		.12			18
19				.30			.26	.26	.11		.30			19
20		.10		.17		.32		.09						20
21	S .30								.17					21
22	S .27				.09		.27	.14						22
23	S T			.35	.37		.07		—	.81	.21			23
24	.15				T					.13				24
25		.18		.07	.90		.46							25
26							.15	.07				.20		26
27	S						.07	.05		.17				27
28	S .34	.44									.05			28
29			.90	.12		.14						.22		29
30	1.00	✕	.24	.05						.26	.06	.40		30
31		✕		✕		✕			✕		✕	S .37		31
TOTAL	2.59	2.44	3.63	1.34	1.62	.55	7.94	.86	1.84	3.09	4.30	2.95	Year's Total 33.15	
* Days with .01 in. or more.	~~11~~	~~8~~	~~9~~	~~9~~	~~5~~	~~4~~	~~17~~	~~8~~	~~7~~	~~10~~	~~12~~	~~10~~	~~110~~	"d"
* Days with .04 in. or more.	11	8	9	9	5	4	17	6	7	10	12	10	108	

S = Snow

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) Edward Robson

[P.T.O.

3595

Section **A** for the entry of Da

AIR MINISTRY.–

Y FOR OFFICIAL USE.

RGANIZATION.

Form 1090.

REGISTI

Kept at Wooperton

in the County of Northum

Diameter of Funnel of Gauge

Height of top of Gauge above Ground

,, Ground ,, Sea Leve

THE MORNING MEASURE

An observer who does not conform to this
year in the space on the right of this p

Ple

3595

WOOPERTON

1931 — 40

780702

ng

Jan. 1, following
·02

Date	Jan.	Feb.	March	Ap							ov.	Dec.	*Date*
	in.	in.	in.	in							n.	in.	
1	·	·80	·	·	·	·10	·06	·	·96	·06	·	·	1
2	·02	·09	·19	·55	·01	·60	·04	·	·48	·05	·	·82	2
3	·	·	·	·	·	·09	·13	·	·06	·	·88	·20	3
4	·	·08	·	·	·	·04	·	·	·94	·	·	·18	4
5	·	·	·	·	·17	·17	·07	·37	·01	·	·	·15	5
6	·	·21	·	·	·01	·80	·04	·12	·06	·09	·04	·	6
7	·	·11	·	·	·14	·12	·	·	·02	·	·60	·02	7
8	·	·02	·50	·	·17	·10	·60	·12	·04	·	·14	0	8
9	·05	·09	·26	·	·11	·17	·60	·11	·	·20	·21	·10	9
10	·	·	·15	·	·05	·	·	·02	·	·	·05	·	10
11	·	·29	·04	·	·	·07	·50	·	·02	·	·	·	11
12	·20	·	[illegible]	·	[illegible]	·09	·50	·20	·04	·	·	·	12
13	·05	·	·18	·	·05	·10	·09	·03	·	·	·	·	13
14	·02	·08	·	·04	·05	·84	·	·10	·	·	·24	·12	14
15	·	·	·	·23	·	·	·	·06	·03	·	·05	·06	15
16	·23	·29	·	·13	·	·08	·04	·13	·10	·06	·	·	16
17	·08	·20	·	43 ·48	·	·20	·29	·78	·	·	·12	·	17
18	·26	·02	·	·08	·	27	·21	·01	·10	·	·60	·	18
19	·08	·02	·	·	·	·01	·11	·54	·04	·06	·	·	19
20	·	08	·	·	·	·	·04	·20	·02	·	08	·03	20
21	·03	·	·	·09	·	·	·	·17	·	·	·	·	21
22	·35	·	·	·17	·04	·	·11	·	·	·	·	·	22
23	·25	·	·	·11	·14	·25	·	·	·08	·22	108	·	23
24	·	·04	·04	·20	·89	·	·02	·	02	·16	·10	·	24
25	·	·	·	·73	·	·	·15	·	·	·	·02	·	25
26	·	·	·	·19	·	·	·02	·	·	·	·37	·	26
27	·03	·	·	·25	·	·	·01	·	·	·11	·28	·09	27
28	·25	·	·04	·04	·43	·	·06	·	·03	·	·03	·	28
29	·30	·	·10	·	·	·	·03	·	·	·27	·07	·28	29
30	·10	×	·	·	·19	·	·	·	·02	·	·	·	30
31	·	×	·	×	·49	×	·19	·	×	·	×	·21	31 21
Total	2·35	2·37	1·45	3·24	2·44	4·00	3·91	2·96	3·02	1·27	4·86	1·75	YEAR'S TOTAL 33·62
*Days with ·01 in. or more.	16	15	9	14	15	18	23	15	19	10	18	12	184
*Days with ·04 in. or more.	11	11	9	14	13	17	19	12	11	10	15	10	152

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) Jane Blackburn
for Mrs Burdon

[P.T.O.

✓ --I 3595

Section A for the entry of D FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Wooperton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: ·02

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·	·80	·	·	·	·10	·06	·	·96	·05	·	·	1
2	·02	·09	·19	·55	·01	·60	·04	·	·48	·05	·	·32	2
3	·	·	·	·	·	·09	·13	·	·06	·	·88	·20	3
4	·	·08	·	·	·	·04	·	·	·94	·	·	·18	4
5	·	·	·	·	·17	·17	·07	·37	·01	·	·	·15	5
6	·	·21	·	·	·01	·80	·04	·12	·06	·09	·04	·	6
7	·	·11	·	·	·14	·12	·	·	·02	·	·60	·02	7
8	·	·02	·50	·	·17	·10	·60	·12	·04	·	·14	0	8
9	·05	·09	·26	·	·11	·17	·60	·11	·	·20	·21	·10	9
10	·	·	·15	·	·05	·	·	·02	·	·	·05	·	10
11	·	·29	·04	·	·	·07	·50	·	·02	·	·	·	11
12	·20	·	[illegible]	·	[illegible]	·09	·50	·20	·04	·	·	·	12
13	·05	·	·13	·	·05	·10	·09	·03	·	·	·	·	13
14	·02	·08	·	·04	·05	·84	·	·10	·	·	·24	·12	14
15	·	·	·	·23	·	·	·	·06	·03	·	·05	·06	15
16	·23	·29	·	·13	·	·08	·04	·13	·10	·06	·	·	16
17	·08	·20	·	·43	·	·20	·29	·78	·	·	·12	·	17
18	·26	·02	·	·08	·	27	·21	·01	·10	·	·60	·	18
19	·08	·02	·	·	·	·01	·11	·54	·04	·06	·	·	19
20	·	08	·	·	·	·	·04	·20	·02	·	08	·03	20
21	·03	·	·	·09	·	·	·	·17	·	·	·	·	21
22	·35	·	·	·17	·04	·	·11	·	·	·	·	·	22
23	·25	·	·	·11	·14	·25	·	·	·08	·22	108	·	23
24	·	·04	·04	·20	·89	·	·02	·	02	·16	·10	·	24
25	·	·	·	·73	·	·	·15	·	·	·	·02	·	25
26	·	·	·	·19	·	·	·02	·	·	·	·37	·	26
27	·03	·	·	·25	·	·	·01	·	·	·11	·28	·09	27
28	·25	·	·04	·04	·48	·	·06	·	·03	·	·03	·	28
29	·30	·	·10	·	·	·	·03	·	·	·27	·07	·28	29
30	·10	×	·	·	·19	·	·	·	·02	·	·	·	30
31	·	×	·	×	·49	×	·19	·	×	·	×	·21	31 21
TOTAL	2·35	2·37	1·45	3·24	2·44	4·00	3·91	2·96	3·02	1·27	4·86	1·75	YEAR'S TOTAL 33·62
*Days with ·01 in. or more.	16	15	9	14	15	18	23	15	19	10	18	12	184
*Days with ·04 in. or more.	11	11	9	14	13	17	19	12	11	10	15	10	152

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) James Blackburn

for Mrs Burdon

[P.T.O.

W —

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Worferton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level ft.

STATION NO. 3595

400

Sent. Circ. F. 28.1.33.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·02

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·02			·08					·10	·33	·06	·22	1
2	·14			~~·08~~	·18			·02		·37	·05	·12	2
3	·04			·07					·10	·04	·08	·04	3
4	·04			~~·07~~	·10			·02					4
5	·03			·05	·24		·56		10			·14	5
6	·06			·04					·04	·04		·10	6
7			·26		·05				·35				7
8		·08	·10	·13		·02			·28	·53	·05		8
9	·52			·44	·32				·07	·08	·04	·10	9
10		·25	·05	·13					·15	·17		·13	10
11				·10	·30	·14	·16				·02		11
12	·19	·11			·13		·04	·08		·16	·05		12
13	·07	·12		·21	·09			·07	·20	·12		·13	13
14	·06			·08						·06	·03		14
15	·30				·15			·01		·04	·13	·06	15
16	·36									·02	·05	·36	16
17					07		·15	·02		·60	·03	·26	17
18					·09							·03	18
19			·09		04		·04	·02		·12			19
20			·27	·03	·19			·32				·10	20
21			·36				·03	·30		·73		·05	21
22			·50	·21	·02		·16			·04	·17		22
23				·15	·02	·02	·20		·17	·06			23
24		·09	·03	·06			·17						24
25		·09			·12				·22	·11	·11		25
26		·06			·19		1·03	·04	1·10	·04	·05		26
27		·01	·60	·10	·05	·48	·11		·02	·65	·02		27
28				·09	·60	·12	·02			·45			28
29			·48	·04			·11	·22		·15	·18	·11	29
30		×	·10		·03	·44	·09	·08	1·50	·34	·03		30
31		×	·04	×		×	·35		×		×	·02	31
TOTAL	1·83 ✓	79 ✓	2·88 ✓	2·01 ✓	2·98 ✓	1·22	3·22	1·20 ✓	4·40 ✓	5·25 ✓	1·15 ✓	1·97 ✓	YEAR'S TOTAL 28·90
*Days with ·01 in. or more.	12	8	12	17	20	6	15	12	14	23	17	16	172
*Days with ·04 in. or more.	11	7	11	16	17	4	13	7	13	22	12	14	147

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) James Blackburn P.T.O.

observer for Mrs. Burdon

157

3595

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. ~~35~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

813742/27

Kept at Wooperton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level ft.

400. days

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ~~.05~~

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	.02	.02	—	—	.01	×	×	×	×	.04	.06	—		1
2	.35	—	.22	—	—	.27	—	—	—	—	1.01	—		2
3	.06	.08	.18	.04	.03	—	—	—	—	—	.50	.05		3
4	.27	.03	.09	—	.03	—	—	—	—	—	.01	—		4
5	.03	—	.04	—	.09	—	—	.23	—	—	—	—		5
6	—	.18	.03	—	—	—	—	—	—	—	.01	.15		6
7	.05	.12	—	—	.46	—	—	.06	—	1.00	—	.03		7
8	—	—	.05	.06	.16	.38	.08	—	—	—	—	.20		8
9	—	.35	—	—	—	.10	—	—	—	.85	—	.21		9
10	—	.02	—	—	—	.09	—	—	—	—	.25	—		10
11	—	—	—	—	.09	—	—	.07	—	07	—	.03		11
12	—	—	—	—	—	.22	—	—	—	—	—	.20		12
13	—	—	.02	—	—	.01	.41	.06	.04	.01	—	—		13
14	.19	—	—	—	.08	—	.16	—	—	—	.16	.50		14
15	.07	—	.07	.10	—	.10	.17	—	—	.05	.27	.02		15
16	—	—	.04	.02	.09	.16	.03	.07	—	—	.09	—		16
17	.27	—	—	.08	—	—	—	—	.06	—	.50	—		17
18	—	.28	.07	.16	—	.29	—	.08	—	—	.55	.03		18
19	—	.25	.05	—	—	—	.17	.06	—	—	.10	—		19
20	—	.02	—	—	.26	.15	—	—	.25	.04	—	—		20
21	—	—	—	—	—	.10	—	—	.16	.10	.10	—		21
22	—	—	—	.02	—	—	—	.22	—	.95	—	—		22
23	—	—	—	—	.16	.10	.02	.05	.16	.05	.10	—		23
24	—	.60	—	.40	.04	—	.07	.01	.31	.11	.03	—		24
25	—	.90	—	.20	—	.01	—	—	.46	.53	—	—		25
26	—	.80	—	.10	.08	—	—	—	.09	.28	.18	.10		26
27	—	—	—	—	.02	—	.50	—	—	.35	.19	.04		27
28	—	.10	—	.03	—	—	.49	.74	—	55	.04	.07		28
29	—		—	.29	—	—	.08	.08	—	.36	—	.01		29
30	.09	×	—	.15	—	—	.08	—	.06	.01	—	.07		30
31	.27	×	—	×	—	×	.12	.03	×	—	×	.12		31
TOTAL	1.67	(3.75) 3.95	.86	1.68	1.60	1.95	2.38	1.76	.1.59	4.65	4.15	1.83	Year's Total 27.82	
*Days with ·01 in. or more.	11	14	11	13	14	13	13	13	9	17	18	16	162	
*Days with .04 in. or more.	9	10	9	10	10	11	11	11	9	15	15	11	131.	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) James Blackburn
for Mrs. Burdon

[P.T.O.

COPY FOR OFFICIAL USE. wwwff

Section **A** **for the entry of Daily Observations.** Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Wooperton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft 6 in.

,, Ground ,, Sea Level — ft.

pag 400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	·09	•	·02	•	•	•	·30	·06	•	•	•		1
2	•	•	·06	·02	•	•	•	·13	·24	•	·04	·91		2
3	•	·07	•	•	•	·02	•	•	•	·10	·12	·10		3
4	·05	•	·13	·09	•	•	•	•	•	·30	·32	131		4
5	·02	•	·36	·15	·05	·05	•	•	·03	•	·40	·12		5
6	·10	·12	·03	·17	·55	·16	•	128	•	·10	·99	·28		6
7	·02	•	•	·15	·15	·02	•	•	·04	·02	·02	·14		7
8	•	•	·13	•	·16	•	•	•	·02	·11	•	·02		8
9	·01	•	•	·60	•	•	•	•	•	·02	·82	·03		9
10	•	•	·70	·60	•	•	•	·60	•	•	·85	•		10
11	·05	•	100	115	•	•	•	•	•	•	·26	·03		11
12	•	•	121	·45	·15	•	·05	·27	•	•	·10	·15		12
13	·27	•	·12	·05	·03	·12	·30	·10	•	·04	•	•		13
14	·42	•	·28	•	·02	•	·09	•	•	·05	·15	·23		14
15	•	•	·08	·03	·32	·05	•	•	·10	·50	·07	·17		15
16	·14	•	·24	•	·05	•	•	·03	•	·08	·73	•		16
17	·42	•	·04	•	·05	•	·31	·02	·38	·10	·03	·34		17
18	·22	•	·01	·12	•	·06	·20	•	•	•	•	·04		18
19	•	•	·21	·16	·08	•	·07	•	·04	•	·03	·04		19
20	•	•	·09	•	·02	·20	•	·37	•	•	•	•		20
21	•	•	•	•	•	110	•	·18	•	•	•	•		21
22	•	•	•	·10	•	·70	•	·05	·30	·05	•	·11		22
23	•	•	·12	·14	•	•	•	70	•	•	•	·13		23
24	•	·02	•	·06	·01	·02	•	•	·02	·68	•	·07		24
25	•	•	•	·16	•	•	•	•	·10	·48	•	105		25
26	•	•	•	·26	•	·07	•	•	·06	·48	•	·07		26
27	•	·57	•	·51	•	·07	·05	•	•	·30	•	•		27
28	•	•	•	·37	•	•	·22	·23	·30	•	•	·33		28
29	•		·11	•	•	•	·14	·36	·08	·54	•	·03		29
30	·10	×	·05	•	•	•	•	•		138	•	·06		30
31	•	×	·01	×	•	×	•	·14	×	·40	×	•		31
TOTAL	1·87	·87	4·98	3 5·46	1·64	2·64	1·43	4·16	1·77	5·73	4·93	5·76	Year's Total 4124	
*Days with ·01 in. or more.	13	5	20	21	13	13	9	15	14	19	15	23	181	
*Days with .04 in. or more.	10	4	17	18	9	10	9	13	11	17	12	19	149	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required

(*Signed*) James Blackburn

[P.T.O.

7813742/27

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Query sent 17/4/36 CWR.

Kept at Wooperton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level .... ft.

Observer regrets ommisons on June 14th & 16th. CWR.

400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.31		.60	.04					.30	.20	.11	~~.66~~		1
2			.17	.03		.19			.07	.90		.04		2
3			.13	.10		.50				.26	.14			3
4			.03							.41	.21			4
5	.26	.04				.07	.03							5
6	.14	.02		.27		.33			.03		.10			6
7	.14	.04				.25				.10	.16			7
8						.17				.04	.06			8
9	.17			.22						.10	.27			9
10	.01	.03	.03	.31		.10				.05	.19			10
11		.06		.27		.10		.60			.04	.24		11
12	.26	.03		.02										12
13		.05			.23	.10	.33		.05			.14		13
14	.07		.02	.02		.07			.08		.20	.16		14
15				.04		.17			.20	.10	.05			15
16	.01	.18	.06	26	.15	.55	.13	.40	125	.11	.38	.52		16
17		28		.38	.45		.04	.26	.10	.36	111	.40		17
18	.06			.30	.19	.17	.19	.24	.18	.02	.03	.10		18
19	.01	.12				.21			.10					19
20		.17		.41						.32				20
21		.10	.09	.51					.35		.03			21
22		.39	.15	.41					.14	.22				22
23				.09				.05			.08			23
24		.18	.04	.03					.10					24
25	.13									.22	.04	.28		25
26		.05		.05	.02	.07		175		.30		.18		26
27	.20	.15							.10	.21	.10	.37		27
28		.02						.03		.10		.02		28
29	.04		.25			.04			.19	.32		.14		29
30		✕				.30		.80	.11	.13	.66			30
31		✕		✕		✕			✕		✕	.34		31
TOTAL	1.81	1.91	1.57	3.76	1.04	3.29 ~~2.67~~	.72	4.13	3.35	4.27	3.96 ~~3.30~~	2.93 ~~2.59~~	Year's Total ~~32.12~~	32.74
* Days with .01 in. or more.	14	17	11	19	5	17 ~~15~~	5	8	16	20	19 ~~18~~	13 ~~14~~	164 ~~162~~	
* Days with .04 in. or more.	11	13	8	15	4	17 ~~15~~	4	7	15	19	17 ~~16~~	12 ~~13~~	142	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) James Blackburn

(for Mrs Burdon)

P.T.O.

COPY FOR OFFICIAL USE

Section A **for the entry of Daily Observations** **Station No.** 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1936

Days

Kept at WOOPERTON.

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level ft.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ·05

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		·75	·23	·02		·12	·10	·26	·60		~~·03~~			1
2	·15	·02	·04			·25	·20	·09	·09		·03	·23		2
3	·02					1·60	·24		·26					3
4	·48		·005			·05		·30		·04	·04			4
5	·25				·09				·04		·06			5
6	·17			·04	·03	~~·30~~	·30	·41	·31		·07			6
7	·08		·11			~~·28~~	·28		·04		·13			7
8	·19		·09							·22	·10			8
9	·92		·75			·21			·14	·08	·30			9
10	·10			·06					·02		·02			10
11				·21		·07		·10			1·00			11
12				·13	·16	·06	·03	·12	·60	·05	·34			12
13	·06			·30			·67				·04	·71		13
14				·32	·14	·20		·03	·22		·04			14
15				·24		·11	·16	·08	·01		·16	·17		15
16				·01							·29			16
17				·04	·10		·22			·14	·84	·25		17
18		·28		·02			·03	·02	·04	·11	·04	·04		18
19		·02					·22			·06				19
20	1·55	·18					·03							20
21	·02	·06		·06			·40					·12		21
22		·35			·14	·04	·03			·02				22
23		·08		·07	·04		·29							23
24	·03	·32			·60		·04		·60	·40				24
25	·23		·12		·04				·11	·02				25
26	·18	·10	·09				·02		·10	·17				26
27	·08	·09	·14				·10		·25	·01				27
28	·05	·63					·10							28
29	·71	·68	·29		·27	·70	·9			·19		·04		29
30	·02	✕			·27	·03				·10				30
31		✕	·09	✕		✕			✕		✕			31
TOTAL	5·29	3·56	2·00	1·52	1·88	3·34	3·55	1·41	3·43	1·61	3·50	1·56	Year's Total 32·65	✓
* Days with .01 in. or more.	19	13	11	13	11	12	20	9	16	14	16	7	161	✓
* Days with .04 in. or more.	15	11	11	10	10	11	15	7	14	11	14	7	136	✓

✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) James Blackburn [P.T.O.

Wm. [illegible]

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1937

Kept at ..... WOOPERTON .....

in the County of ..... NORTHUMBERLAND .....

Diameter of Funnel of Gauge ..... 6 .in.

Height of top of Gauge above Ground ..... 1 .ft. ..... 6 .in.

,, Ground ,, Sea Level ..... ft.

file number
813742/27

sp

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following
·07.

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·05	·04	·45						·27	·15	·04	·12		1
2	–	·13	·02	·16						·03		·22		2
3	·05	·33	·02	·12	·15	·15						·12		3
4	·38		·14		·20	·03	·34	·05	~~·05~~			·04		4
5	·04		·10		·37		·15		·18			·42		5
6					·06	·02			·16		·13	·30		6
7		·16	·24	·18	·04		·20		·04		·24	·23		7
8		·45	·04				·17				·10	·45		8
9		·03	·04	·18			·13	·16.	~~·16~~		·04	·45		9
10			·24		·08						·18.	·10		10
11			·16.											11
12	·44	·30	·77	·05						·04				12
13		·05	·46		·04		·03	·05	·12			·84		13
14			·75	·03		·60	· ·					1·30		14
15		·48.		·32			·35					·23		15
16	·07	·03	·60	·20		·12.			·15		·07	·47		16
17	·24		·33	·02					·55					17
18		·10			·12	·12	·02	·08	~~·08~~					18
19		·06		·05		·16			·11		·34			19
20	·11		·14	·20	1·03		·02		·08	·14				20
21	·07			·10	·98		·18	·02	~~·02~~	·10		·12		21
22	·05		·02		·04	·09		·05	~~·05~~	·06		·07		22
23	·15		·18		·03					·88				23
24	·29				·11		·37	·11	~~·11~~	·19				24
25	·12	·46			·23					·21				25
26	·04	·27	·03		·50									26
27	·17	·55					·04			·21	·04	·02		27
28		·18								·20	·03	·05		28
29								·75	~~·75~~	·16		·11		29
30	1·25	✕				·07.		·45	·		·05	·03		30
31	·40	✕		✕		✕		·27	✕	·32	✕			31
TOTAL	2·92	3·62	4·73	1·61	3·79	1·36.	2·02	1·99	1·71	2·69	1·26.	5·69.	Year's Total 33·39	✓
* Days with .01 in. or more.	17	16	19	12	15	9	12	10	9	13	11	20	163	✓
* Days with .04 in. or more.	17	14	15	10	14	7	9	9	9	12	10	18	144	✓

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) ..... James Blackburn ..... [P.T.O.

3595

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Wooperton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level ft.

Annual total corrected for arithmetic

W.S.R.

Reading taken 9. a.m

Days and entry on Dec 31st est'd by [illegible]

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1		.80				140	.20		.06		.20			1
2	.07			.05		.65	.61		.06	.44	✓	.04		2
3	.09	.02		.06		.05	.02		.13	1.02	.30 ✗			3
4	.03	.04					.25			.20	.03	.26		4
5							.15	.10	.06	.02				5
6	.08					.08	.05	.28	.02	.20				6
7							.75	.30	.08	.06	.20	.05		7
8	.21	.08					.05	.04		.60	.77	.09		8
9	.58				.15	.08	.07					.27		9
10						.23						.06		10
11						.08	.07			.04	.10	.04		11
12	.29	.08			.06	.08	✓	.35		.49	.80			12
13	.11				✓		.04 ✓	.11	.28	.02	.10	.21		13
14	.29				.05 ✓							✓		14
15	.06	.13			✓		.04	.17		.04		.31 ✗		15
16	.30	.07			.20 ✗		.03	.02	.02	.05	✓	.17		16
17					.22			.04	.20	.50	.44			17
18	.06	.10			.04	.11		.03	.10	.12	✗	✗		18
19			.32		✓		.05	.10	.05			✗		19
20	.04		.42				~~.05~~	~~.10~~	.18 ~~.05~~			✗		20
21			.03		.04 ✓			.16			✓	.50 ✗		21
22					✗						.21 ✗	✗		22
23	.04			✓	.08 ✓	.15					.34	.22 ✗		23
24	.06			.31 ✗	.05			.38	.08	.66	.05	✗		24
25					.07		130			.25	.04	.17 ✗		25
26		.25		.02		✗	.02			.25				26
27	.15	.02		.03	.27	.28 ✗	.30	.10	.03	.28		.05		27
28	.14	.04			.82	.30	.02		.14			.03		28
29					.05		.10	.21			.17			29
30	.12	✕		.04				.34	.58	✓	.10			30
31	.43	✕		✕	.35	✕		.07	✕	.14 ✗	✕	(.35)	31.~~49~~ 84	31
TOTAL	3.14	1.13	.78	.51	2.45	3.49	4.12	2.78	2.00	5.08	3.55	~~2.46~~ (2.81)	Year's Total 31.59	✓
* Days with .01 in. or more.	19	11	3	87	148	123	~~19~~ 20	17	16	~~19~~ 20	158	(~~15~~ 22)	~~166~~	184
* Days with .04 in. or more.	18	9	2	4	142	123	156	15	13	178	14	(~~14~~ 20)	~~147~~	154

† Spare column, no entries required.

* See Instruction 3 (f) on other side. × Mr Burdon ×

(Signed) James Blackburn

[P.T.O.

1939

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Wooperton

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 6 in.

" Ground " Sea Level ....ft.

Letter written 3/6/40 re [illegible]

Entries on Mar 4th, 26th, April 29th, May 5-6th, June 24th, 28-29th, Sept 1-2nd, 30th, ~~Dec 27-29th~~ est'd by ref. to nearby stns.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following —

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	100		·07	·05	·15				·15	·15	·02	·05		1
2			·02	·05					~~·15~~ ·30	·10	·03			2
3			·03	·05				·07	·08	·04	·05	·04		3
4			(·30)	—			·05		·04	·02	·20			4
5			✓	—	✗		·15	·10		·20	·25	·40		5
6	·50		✗ ·10	—	(·25) ✓		·32			·05		·04		6
7			·08	—						·02	·02			7
8	·10	·20	·10	✗				·15				·30		8
9		·20		—			·50	·20		·65	·15	·04		9
10			·02	—				·04	·25	·04	·02			10
11	·15	·10	·30	—		·10				·03				11
12		·20		—			·10		·15	·50	·04			12
13		·10	·08	✓	·25				·05	·12				13
14	·50		·04	—	·12	·10	·15			·15	·05			14
15	·10	·10		—	✓	·20				·05		·05		15
16	·20		·10	—	✗							✗		16
17	40	·10		✗	·15 ✗		·10					✗		17
18	55	·02	·10	—		·04	·02				·25	✗		18
19	·40			—	·03	·25				·05		—		19
20	02			✗	10	05						·10		20
21	·10	·30	·02	✗ ·40	·03									21
22	·20	·22				·12					02			22
23	·10	·10	·04			·05								23
24		·04	·15	·30		(·15)				·10	·06			24
25	·10		·05	·08				·07		·65				25
26	16		(·50)	·05				40			·10	·20		26
27	04	·30	·40			·10		·04		·12	15	✓		27
28	·03	·05	·40	·05		✓	·15				15	✗		28
29	·02	·07	·04	(·10)		✓ ·05	·25			12		✓ (·20)		29
30	05	✕	·02			·05	·04		·25	02	·35			30
31		✕		✕		✕	·05		✕	·02	✕			31
TOTAL	472	210	~~2·16~~ 2·96	~~1·03~~ 1·13	~~·83~~ (1·08)	~~1·06~~ 1·26	1,88	1·07	~~·92~~ 1·27	320	1,91	~~1·12~~ 1·42	Year's Total ~~21·80~~	(24·00)
* Days with .01 in. or more.	20	15	23 ~~20~~	13 ~~8~~	11 ~~7~~	~~10~~ 13	12	8	8 ~~6~~	21	17	13 ~~8~~	~~152~~	(174)
* Days with .04 in. or more.	17	14	17 ~~15~~	12 ~~8~~	7 ~~5~~	~~10~~ 11	11	8	8 ~~6~~	16	12	11 ~~8~~	~~130~~	(144)

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(Signed) James Bluthun for Mr Burgess

P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3595

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 193 40

Kept at Woopata

in the County of Northumberland

Diameter of Funnel of Gauge 6 in.

Height of top of Gauge above Ground 1 ft. 6 in.

,, Ground ,, Sea Level .... ft.

Part Feb, Mar 12, Apr. 24, Sept 15 est'd from nearby station

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following: —

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1							·04							1
2				·02			·05				·55	·03		2
3	✓			·02			·15			·03				3
4				·08			·22							4
5	·05			·05				·02		·12	·25	·40		5
6	·07				·10		·10			·04	·25	·50		6
7							·25							7
8				·02	·05			·02	·05	·12	·10			8
9			·05				·27			·40	·15			9
10			·15				·95				·20			10
11			·30				·08				·40			11
12			(1·00)								·07			12
13		(1·80)					·45				·02			13
14							1·10			·02		·30		14
15	✓						·45		(1·00)			·07		15
16	✓						1·35		(·20)	·30				16
17			·10				·04	·03	(·05)	·10	·50			17
18			·15						(·05)		·20			18
19											·40			19
20			·05	·10				·10		·04	·10			20
21	✓		·03	·10		·20				·20	·10			21
22	✓		·03			·05	·04	·07	·10	·20				22
23			·15	·25			·03	·03		·10	·04			23
24	✓	·02		(·50) ~~·05~~	·25					·12		·15		24
25					·05		·10			·03				25
26	✓			·04	·20		·20	·04						26
27							·04			·10				27
28	✓	·05												28
29	✓	·28		·03							·02	·50		29
30	✓	✕	·35							·12		·60		30
31	1·68	✕	·15	✕		✕			✕		✕		d	31
TOTAL	1·72	(2·15) ~~·35~~	2·51 ~~7·51~~	1·21 ~~·76~~	·65	~~·25~~	~~5·91~~	·31	1.45 ~~·45~~	2·04	3·35	2·55	Year's Total ~~19·85~~	24·60
* Days with .01 in. or more.														wp 65
* Days with .04 in. or more.														WH

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(Signed) Jas. Blackburn for Mrs Burdon [P.T.O.

3596

Section **A** for the entr

AIR MINIS

FORM 1090.

REG

Kept at Coldburn,

in the County of North

Diameter of Funnel of Gauge

Height of top of Gauge above G

,, Ground ,, Se

THE MORNING ME

An observer who does not conform
year in the space on the right o

3596

KIRKNEWTON, COLDBURN
1931 — 36

780702

FOR OFFICIAL USE.

ALL ORGANIZATION.

31

included the reading … through … Perhaps this large amount … drift as well as … ought not to have been

Not to be printed
Minute 12 on file

AY.

following

Jan. 1, following

Date	Jan.	Feb.	Marc							t.	Nov.	Dec.	Date
	in.	in.	in.								in.	in.	
1		No read	·4		~~·3~~ ·05	~~·97~~			·3	·02			1
2		ings taken ~~Hourly~~	·17	·42✓		·76	·15	~~·3~~	·2	02	[illegible]	·1	2
3	03	guage under	~~·3~~ ·03	·2		~~·54~~ ·04	·24	~~·04~~		·12	·2	·03	3
4	04	deep	·3	·02	·2	·12	~~·06~~?		·6	·01	·02	·50	4
5		snow-drifts	·02		·1	·06	04?	·23	03?	~~·2~~	·04	·15	5
6		Deposits on each	·5 ·05		·2	1·10	05?	·1	01?	·1	·13	·1	6
7		day,	·01		?	~~·81~~ ·11	~~·27~~	·15	·02	·02	·33	·1	7
8	03	except 7th.	·19	·14		~~1·2~~ ·12	·3		·24	·02	·27	·01	8
9	·25	aggregate	~~·72~~ ·17		·32	~~·8~~ ·15	1·25?	·1		~~1·2~~	·1	03	9
10		deposits ~~8·98~~	~~·7~~ ·07		·12	·15	04?			·02	·05	~~·44~~	10
11		(·75) ·02	·12	·13		·02	·15		·26	·02			11
12	·11	02				·2	·4	~~·56~~ ·16?		·02			12
13	·12	·16	·10		04?	~~·8~~ ·08	02?	·02	~~·1~~				13
14	·34	·04		·24	05?	·91✓	~~·06~~		·11	02?	·34	~~·6~~	14
15	·05	·21	~~·42~~	·13	~~·24~~	·05	·14?	·31?	·15	04		·15	15
16	·14			·11	~~·22~~	·2	·12	·2	·24	~~·31~~	03		16
17	·06	·14			~~·1~~	·41	·10	·2			·13		17
18	·08	·01		·7	~~·04~~	·2	·17	~~1·76~~	·18		6 ·77✓		18
19	·04	·14	·06			·06	·21	·5	03?	·16			19
20	·04	·16				·14	·13	·3	02?		·04		20
21	·01			·16	·14		02	·3	~~·23~~		~~·4~~		21
22	·03	·1	~~·35~~		·37	~~·52~~ ·02	~~·29~~ ·09	·2			·15		22
23	·23	02	~~·16~~	·15	·07			~~·14~~	~~·41~~ ·11	·1	·43	~~·3~~	23
24	·01	03	~~·15~~	·26			·21 ·01	~~·02~~		·12	·2	~~·2~~	24
25		·11	~~·45~~	·41			02	~~·3~~	·04		·03		25
26			~~·17~~	·04	·01		06		·02		[illegible]	01	26
27			~~·25~~	·06	·4	tr.	·02	~~·02~~				·02	27
28	·52	03	~~·16~~	·26	~~·2~~		·04	~~·01~~	·04		·16	·01	28
29	·16			~~·1~~	~~·2~~		·03		·02	·2	~~·35~~ ·05	·56	29
30	·01	✕		~~·1~~	·13	·01	~~·1~~ ·01		·03				30
31	·72	✕		✕	·4?	✕	·13		✕	·14	✕	~~·32~~ ·02	31
TOTAL	~~5·29~~ (3·02)	~~4·25~~ (1·85)	~~5·66~~	~~3·97~~	~~4·76~~	~~9·73~~	~~7·42~~	~~5·76~~	~~4·09~~	~~3·58~~	~~5·18~~	~~4·16~~	YEAR'S TOTAL ~~58·60~~
*Days with ·01 in. or more.	21	23	21	18	21	22	29	21	22	20	20	18	without
*Days with ·04 in. or more.	20	22	19	17	20	20	29	17	18	13	19	15	February

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(Signed) Agnes Cowe [P.T.O.

*See Instruction 2 (*f*) on other side.

3596

Section **A** for the entr

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Coldburn, Kirknewton,

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground — ft 10 in.

" Ground " Sea Level approx 750 ft.

Observer says: "I have included the readings taken after we got a path cleared through the drift last Feb. Perhaps this large amount made from wetted snow drift as well as from falling snow, ought not to have been included."

Not to be printed
Minute 12 on

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following year

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		No read	·4		~~·3~~ ·05	~~·97~~ ·07			3	·02			1
2		ings taken ~~[illegible]~~	·17	·42		·76	·15	~~·3~~	~~1·00~~ ·2	02	[illegible]	·1	2
3	03	guage under	~~·3~~ ·04	·2		~~·54~~ ·04	·24	~~·04~~		·12	·2	·03	3
4	04	deep snow-	·3 ·03	·02	·2	·12	~~06~~		·6	·01	·02	·50	4
5		drifts.	·02		·1	·06	04	·23	03	~~·2~~	04	·15	5
6		Deposits on each	·5 05		·2	1·10	05	·1	01	·1	·13	·1	6
7		day, except	·01		?	·81 ·11	~~·27~~	·15	·02	·02	·33	·1	7
8	03	9th.	·15	·14		~~1·2~~ ·12	·3		·24	·02	·27	·01	8
9	·25	aggregate deposits	~~·72~~ ·12		·32	~~·8~~ ·15	1·25	·1		~~1·2~~	·1	03	9
10		~~8.98.~~ (·75)	~~·7~~ ·07		·12	·15	04			·02	·05	~~·44~~	10
11		·2	·12	·13		·02	·15		·26	·02			11
12	·11	02				·2	·4	·56 ·16		·02			12
13	·12	·16	·10		04	~~·8~~ ·08	02	·02	~~·1~~				13
14	·34	·04		·24	05	·91	~~·06~~		·11	02	·34	~~·6~~	14
15	·05	·21	~~·42~~	·13	~~·24~~	·05	·14	·31	·15	04		·15	15
16	·14			·11	~~·02~~	·2	·12	·2	·24	~~·31~~	03		16
17	·06	·14			~~·1~~	·41	·10	·2			·13		17
18	·08	·01		·7	~~·04~~	·2	·17	~~1·76~~	·18		6 ·97		18
19	·04	·14	·06			·06	·21	·5	03	·16			19
20	·04	·16				·14	·13	·3	02		·04		20
21	·01			·16	·14		02	·3	~~·23~~		~~·4~~		21
22	·03	·1	~~·35~~		·37	~~·52~~ ·02	~~·29~~ 09	·2			·15		22
23	·23	02	~~·16~~	·15	·07			~~·14~~	~~·41~~ ·11	·1	·43	~~·3~~	23
24	·01	03	~~·15~~	·26			~~·21~~ ·01	~~·02~~		·12	·2	~~·2~~	24
25		·11	~~·45~~	·41			02	~~·3~~	·04		·03		25
26			~~·7~~	·04	·01		06		·02		[illegible]	·1	26
27			~~·25~~	·06	·4	tr.	·02	~~·02~~				·02	27
28	·52	03	·16	·6	~~·2~~		·04	~~·01~~	·04		·16	·01	28
29	·16			~~·1~~	~~·2~~		·03		·02	·2	~~·35~~ ·05	·56	29
30	·01	✕		~~·1~~	·13	·01	~~·1~~ ·01		·03				30
31	·72	✕		✕	·4	✕	·13		✕	·14	✕	~~·22~~ ·02	31
TOTAL	(3·02) ~~5·29~~	(1·85) ~~11·25~~	~~5·66~~	~~3·97~~	~~4·76~~	~~9·73~~	~~7·42~~	~~5·76~~	~~4·09~~	~~3·58~~	~~5·18~~	~~4·16~~	YEAR'S TOTAL ~~58·60~~
*Days with ·01 in. or more.	21	23	21	18	21	22	29	21	22	20	20	18	without
*Days with ·04 in. or more.	20	22	19	17	20	20	29	17	18	13	19	15	February

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(Signed) Agnes Cowe [P.T.O.

*See Instruction 2 (f) on other side.

X KIRKNEWTON (COLDBURN) X 847650/28 (3596)

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

North/6.

Kept at Coldburn

in the County of Northumberland

Diameter of Funnel of Gauge 5" in.

Height of top of Gauge above Ground — ft 10 in.

,, Ground ,, Sea Level approx 750 ft.

1931 Hopeless

See Min 12 f 847652/28

Av 42·4

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·3	·01	·01	·1	·1	·	·	·02	·15	·04	·1	·09	1
2	·43		·	·06	·04	·	·	tr	·09	·4	·03	·03	2
3	·06	·01	·	·05	·	·	·24	·	·	·1	·06	·1	3
4	·04	·	·1	·	·23	·04	·36	·	·14	·	tr.	·07	4
5	·01	·	·02	·04	·04	·	·	·	·38	·01	·35	·07	5
6	·03	·	·	·07	·05	·	·	·13	·10	·04	·	·1	6
7	·02	·	·47	·	·	·	·	·	·21	·37	·	tr	7
8	·	·	·02	·04	·03	·	·	·	·32	1·07	·08	·05	8
9	1·06	·04	·	·13	·03	·	·	·	·12	·21	·16	·4	9
10	tr.	·13	·	·05	·	·	·06	·	·20	·59	·	·02	10
11	tr.	·24	·	·01	·1	·04	1·1	·11	·	tr.	·	tr.	11
12	·14	·01	·01	·	·26	—	·05	·11	·	·21	·09	·03	12
13	·03	·1	·	·3	·12	·	·	·06	·28	·02	·	·01	13
14	·08	·	·	·06	·	·	tr.	·	·01	·01	·	tr.	14
15	·14	·	·	·	·14	·	·	·	·	tr.	·05	·06	15
16	·64	·	·01	·	·		·	·	·	·15	·15	·22	16
17	·	·	·	·02	·07	·	·16	·02	·02	·45	·07	·	17
18	·01	·	·	·	·07		·	tr.	·	·03	·02	·13	18
19	tr.	·	·	·13	·	·02	·02	tr.	·01	·15	·	·	19
20	·	·	·62	tr	tr.	·	·	·52	·	tr.	tr.	·	20
21	·	·	·86	·27	·02	·	·09	·05	·	·82	·17	·38	21
22	·04	·		·18	·	·	·11	·	tr.	·06	·	·01	22
23	·	·1	·	·3	·	tr.	·08	·	·40	tr.	·03	·03	23
24	·	·12	·02	·05	·	·	·23	·	·02	tr.	tr.	·	24
25	·	·08	·	·	·45	·	·	·02	·20	·3	·08	·	25
26	·	·03	·	·	·42	·	·33	·02	·88	·08	·	·35	26
27	·	·	·6	·18	·16	·15	·13	·	tr.	·25	·03	·01	27
28	·	tr.	·	·13	·	·5	·	·	tr.	·25	tr.	·	28
29	·	·	·3	·14	·	·07	·07	·15	·02	1·1	·10	·	29
30	·	X	·1	·	100 ·	·67	·15	·09	1·96	·06	·01	·01	30
31	·	X	·2	X	·	X	·08	tr	X	·01	X	·	31
TOTAL	3·03	·87	3·34	2·31	2·33	1·47	3·26	1·30	5·51	6·78	1·58	2·15	YEAR'S TOTAL 33·93
*Days with ·01 in. or more.	15	11	15	20	17	7	16	12	19	25	17	20	194
*Days with ·04 in. or more.	10	6	8	17	14	6	15	8	14	20	12	11	141

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*See Instruction 2 (*f*) on other side.

(*Signed*) Agnes Cowe

X MRS. COWE. X

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. — f 847658/28 Station No. 3596

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Coldburn X

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft 9 X in.

,, Ground ,, Sea Level 790 approx. ft.

1931 Hopelaw
1932 Low Fup.

Northum/6

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	Heavy dew. in.	in.	in.	in.	in.	in.	
1	—	·05	TR.	—	·29	—	·01	—	—	·02	·01	·05	1
2	·4	—	·26	·05	—	·02	—	—	—	TR.	·09	·01	2
3	·16	—	·2	·02	·25	—	—	—	—	·02	·35	—	3
4	·42	·08	{ ·19	—	·05	—	—	—	—	—	·6	·03	4
5	·05	·1		—	—	—	—	—	—	—	·01	·13	5
6	—	·24	·04	—	·03	—	—	—	—	·03	·02	·14	6
7	·04	·2	—	—	·39	—	—	—	—	·43	—	·2	7
8	—	·05	·02	—	·23	·24	—	—	—	·06	—	·25	8
9	·06	·41	·02	—	·03	—	·15	—	—	·23	—	·2	9
10	—	—	—	—	·02	·14	·01	·11	—	·12	·36	·08	10
11	—	—	—	—	·25	—	TR.	—	—	·05	·01	·28	11
12	·01	—	—	—	·04	—	·07	—	—	—	—	·02	12
13	—	—	·04	—	·02	—	·61	·06	·04	·01	·09	TR.	13
14	·05	—	—	—	·07	—	·25	—	—	—	·58	·35	14
15	TR.	—	—	·08	·04	·01	·24	—	—	—	·49	·02	15
16	·11	—	·05	mist TR.	·01	{ ×	·02	·11	—	—	·25	·05	16
17	—	SNOW	—	snow ·27	TR.	·56	—	·01	·03	—	sn. & sleet 1·2	TR.	17
18	—		·05	sn. & hail ·19	TR.	×	·06	·25	—	—	1·06	TR.	18
19	—		·06	sn. & hail ·05	—	—	thunder ·57	·07	·05	—	—	—	19
20	—	·25	—	—	·36	—	—	·2	·31	·11	—	—	20
21	SNOW	SNOW	—	—	—	TR.	—	·1	·35	—	·06	—	21
22			—	—	—	—	—	·21	·08	·7	·01	—	22
23		·45	—	—	·02	—	—	·3	·61	·18	·1	—	23
24		SNOW	—	·13	·06	—	·16	—	·13	·17	·08	—	24
25			—	·23	—	·18	·37	·02	·7	·12	·	—	25
26			—	·05	·22	—	—	—	·2	·32	TR.	—	26
27		3·95	—	TR.	·05	—	thunder 1·00	·05	—	·28	·08	—	27
28	2·9	·01	—	—	TR.	—	·35	·6	·01	·8	TR.	·05	28
29	·02	—	—	·78	—	—	·02	·03	·02	·3	—	·25	29
30	·02	×	·03	·23	—	—	·15	—	·1	·01	—	·05	30
31	·17	×	—	×	—	×	·11	·07	×	TR.	×	—	31
TOTAL	4·41	5·79	2·96	2·08	2·43	1·15	4·15	2·09	2·63	3·96	5·45	2·16	YEAR'S TOTAL 37·26
*Days with ·01 in. or more.	13	11	11	11	19	8 ~~6~~	17	15	13	19	19	17	173
*Days with .04 in. or more.	10	10.	8	10	13	6 ~~4~~	13	12	10	15	14	13	132

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*See Instruction 2 (*f*) on other side.

(*Signed*) MRS Cowe X

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3596.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Coldburn, Kirknewton

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground ft 9 in.

,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	—	—	·02	—	—	—	—	·57	—	—	—	·1		1
2	—	—	—	—	—	—	—	·09	·19	—	·35	·06		2
3	Tr.	—	·01	—	—	—	—	—	—	·2	·5	·03		3
4	·35	—	·11	·25	—	—	—	—	—	·11	—	2·72		4
5	·05	—	·35	·26	—	·1	—	—	—	·01	—	·25		5
6	·05	—	Tr.	—	1·06	·25	—	·48	—	·15	·18	·15		6
7	·17	·12	Tr.	·4	·09	·01	—	—	—	—	—	—		7
8	—	—	·4	·15	·02	·03	—	—	—	—	·06	·03		8
9	Tr.	—	·45	·25	·13	—	—	—	·07	—	1·16	·04		9
10	Tr.	—	1·0	2·27	—	—	—	·3	Tr.	—	1·76	—		10
11	·2	—	2·08	1·84	·14	—	—	·4	—	—	·24	·01		11
12	·01	—	2·41	·33	·3	·01	—	·76	—	—	·14	·3		12
13	·01	—	—	—	·04	—	·09	·05	—	·1	—	—		13
14	1·3	—	·27	·25	·03	—	—	—	—	—	·02	—		14
15	Tr.	—	—	·03	·4	—	·52	·06	—	—	·1	·6		15
16	·13	—	—	—	·54	—	—	—	—	—	·28	·11		16
17	·01	—	·34	—	·14	—	·32	—	·32	·07	·06	·32		17
18	—	—	·1	·04	·06	·07	·17	·18	—	—	·04	·03		18
19	—	—	·3	·4	—	Tr.	—	—	·06	·01	—	—		19
20	—	—	·25	—	—	·21	—	·45	—	·02	·02	—		20
21	—	—	Tr.	—	—	1·03	·07	·4	—	—	—	—		21
22	—	—	—	·04	—	1·55	—	·35	·1	·15	·08	·36		22
23	—	—	·07	·24	—	—	—	—	·02	·02	—	·25		23
24	—	—	—	·04	·02	·02	·08	—	·1	·21	—	·45		24
25	·03	—	—	Tr.	—	—	—	—	—	·56	—	1·04		25
26	—	·08	—	·17	—	·12	·04	—	·09	·34	—	·02		26
27	—	·05	—	1·05	—	—	·01	—	·03	·01	—	—		27
28	—	·02	—	·89	—	·09	·1	·17	—	·03	—	·21		28
29	—	—	·24	—	—	—	·01	—	·2	·26	—	·12		29
30	·35	×	—	—	—	—	·05	—	·5	1·7	—	·1		30
31	·38	×	—	×	—	×	—	·34	×	·05	×	·07		31
TOTAL	3·04	·27	8·4	8·9	2·97	3·49	1·46	4·6	1·68	4·0	4·99	7·37	Year's Total. 51·17	
* Days with .01 in. or more.	13	4	16	18	13	12	11	14	11	18	15	23	168	
* Days with .04 in. or more.	9	3	14	17	10	8	9	14	9	12	13	18	136.	

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† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) Agnes Cowe

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3596

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Coldburn, Kirknewton

in the County of Northumberland

Diameter of Funnel of Gauge 5½ in.

Height of top of Gauge above Ground .... ft. .... in.

,, Ground ,, Sea Level 750 ft.

File No. 847658/28.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·53	·02	—	·37	·01	—	·15	·25	—	·15	·01	·3		1
2	—	·01	·32	—	·01	·08	—	·1	—	1·58	·2	·13		2
3	—	·01	·54	·11	—	·58	·03	—	—	—	·04	·01		3
4	—	—	·5	—	—	·28	·14	—	—	·1	·01	·02		4
5	·03	·1	·06	·02	—	·58	—	—	—	·5	·01	·01		5
6	·4	—	·04	·03	—	—	—	—	—	1·2	·05	·2		6
7	·3	—	—	·13	—	·31	—	—	—	—	·2	—		7
8	—	·02	—	·25	—	·25	—	—	—	·01	·08	—		8
9	·27	·04	—	—	—	—	—	—	—	·15	·5	·01		9
10	—	·26	—	tr.	—	·01	—	·01	—	·2	·57	·12		10
11	tr.	—	—	—	—	—	—	·9	·26	—	—	·01		11
12	·12	—	—	—	·32	—	—	·1	·03	—	·04	·02		12
13	·17	·01	—	·02	·02	·1	·02	tr.	—	—	·05	·2		13
14	—	·1	—	·3	·3	·22	—	—	—	·01	·24	·1		14
15	—	·41	—	—	·01	·02	·06	·1	·11	—	·4	·12		15
16	—	tr	—	·2	snow ·4	·45	·1	·79	·01	·15	·6	·2		16
17	·02	—	—	·9	·15	—	·3	·71	·2	·1	1·42	1·1		17
18	·03	—	—	—	—	—	·02	·31	·09	·1	·25	·35		18
19	·05	·02	—	·02	—	—	·38	—	·06	·2	—	·2		19
20	tr	·32	·2	·2	—	—	tr.	—	—	·25	·05	—		20
21	·01	—	—	·52	—	—	—	—	—	—	·05	·45		21
22	—	—	—	·55	—	—	—	—	—	—	·01	1·4		22
23	·04	·23	·45	—	—	—	—	·2	—	·02	—	·2		23
24	·02	—	—	—	—	—	—	·03	—	·02	—	·35		24
25	·06	·35	—	—	—	—	—	·1	—	—	tr.	·48		25
26	·05	·02	—	—	—	·02	—	—	·25	·1	tr.	·2		26
27	·01	·06	·02	—	—	·11	—	1·72	—	·17	—	·01		27
28	tr.	—	·03	—	—	—	—	·2	—	·18	·01	·01		28
29	·04	—	·01	—	—	·15	—	·18	—	·13	·01	·04		29
30	—	✕	—	—	—	·35	—	1·38	·2	·25	·8	·01		30
31	·02	✕	·01	✕	—	✕	—	·1	✕	·23	✕	·01		31
TOTAL	2·17	1·98	2·18	3·62	1·22	3·51	1·8	7·18	1·21	5·7	5·6	6·23	Year's Total 42·4	
* Days with .01 in. or more.	18	16	11	14	8	15	9	17	9	22	23	28	189	
* Days with .04 in. or more.	11	9	7	10	4	12	6	15	7	18	17	18	134	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) Agnes Cowe [P.T.O.

COPY FOR OFFICIAL USE. X

Section **A** for the entry of Daily Observations. Station No. 3596.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Coldburn, Kirknewton

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground — ft. 9 in.

,, Ground ,, Sea Level 750 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·2	—	·9	—	—	·35	·02	·05	·22	—	·16	·25		1
2	tr.	·1	·12	—	—	·85	·02	·25	·06	—	·01	·01		2
3	tr	·15	·05	—	—	2·75	—	·23	·01	—	—	·25		3
4	tr	·01	·75	—	—	·05	—	·1	·1	—	—	·01		4
5	·01	—	—	—	·01	—	—	·5	·13	—	—	—		5
6	—	—	·03	·2	—	—	—	·1	·01	—	—	—		6
7	·02	—	1·1	—	—	·04	·01	—	·1	—	—	—		7
8	·2	—	·22	—	—	—	—	—	—	—	—	·6		8
9	1·3	·15	1·2	—	—	—	—	·1	—	—	—	·01		9
10	·14	·01	—	—	—	—	—	—	—	—	—	—		10
11	·01	—	—	—	—	·01	·01	—	·01	—	1·45	—		11
12	·3	—	—	·01	·4	·03	·3	·2	·34	—	·88	·02		12
13	·11	·1	—	·1	—	·1	·2	—	·01	—	·32	·04		13
14	·4	·2	—	·57	—	·2	·02	·19	·25	—	·04	·02		14
15	·24	—	—	·15	—	—	·01	·3	—	—	·02	·01		15
16	·25	—	—	—	—	—	·01	tr.	—	—	—	·11		16
17	·2	·25	—	—	·01	—	·3	·2	—	—	—	—		17
18	·02	·7	—	—	—	—	·02	tr.	·05	—	—	—		18
19	—	·03	·02	·26	—	—	·1	tr.	·02	·02	·2	·25		19
20	·3	·01	·03	—	—	—	·1	—	·04	·21	·45	·2		20
21	·02	·2	·2	—	—	—	·13	—	—	·5	·25	·12		21
22	·01	·01	—	—	—	·01	tr.	—	—	·2	·02	—		22
23	—	·2	—	·04	—	—	·32	—	—	·02	·01	·01		23
24	·2	1·2	·04	—	·54	—	·03	·01	·12	·1	·03	—		24
25	·14	·45	·02	—	—	—	·1	—	·37	—	·01	—		25
26	—	·02	·1	—	—	—	·02	—	·25	·21	—	—		26
27	·04	·1	·23	—	—	—	·35	—	·47	·07	—	·01		27
28	·05	·11	·03	—	·1	—	1·7	—	—	·01	—	·04		28
29	1·34	·4	·29	—	·25	·2	·6	—	—	—	tr.	·01		29
30	·02	✕	—	—	·05	·54	·28	—	—	·15	·12	·01		30
31	·01	✕	—	✕	·25	✕	—	—	✕	·15	✕	·02		31
TOTAL	5·53	4·4	5·34	1·33	1·61	5·13	4·65	2·22	2·56	1·64	3·97	2·0	Year's Total 40·38	✓
* Days with .01 in. or more.	24	20	17	7	8	12	22	12	18	11	15	20	186	✓
* Days with .04 in. or more.	16.	14	12	6	6	9	12	11	13	8	9	9	125	✓

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† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) Agnes Cowe [P.T.O.

333

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3598 .

LIBURN TOWER GDNS

1931 – 40

780702

Section **A** for the entr… FOR OFFICIAL USE.

AIR MINIS… L ORGANIZATION.

FORM 1090. **REG…**

Kept at Ilderton, Lilb…

in the County of North…

Diameter of Funnel of Gauge…

Height of top of Gauge above G…

,, Ground ,, S…

THE MORNING ME… .

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		·01	·30			·10	·03		·91	·03			1
2		·08	·04	·43		·63			·38	·05	·01	·30	2
3	·03					·10	·15		·02		·86	·24	3
4	·05	·05							·74			·11	4
5		·02			·10	·14	09	·35				·10	5
6		13	·12			·86	·03	·11	·03		·03		6
7			10		·32	·15					·52	·02	7
8	·03	03	·10		·09	·07	·55	·08	·08	·02	·10		8
9	·04	·16	16		·06	·14	1·28	·12		·09	·24	·11	9
10	·02		·12		·02	·04	·08				·05		10
11		31		·02		·03	·35		·02	02			11
12	·17					·08	·07	·18					12
13			14		·05	·12	·02	·20					13
14	·04	·05		·04	·05	·98		·11			·25	·16	14
15	·01			·19		·05		02	·03		·03	·03	15
16	·10	37		·15				·19	·10		·03		16
17		·18		·41		·07	·31	·49		·04			17
18	·31			·05		·24	·21		·10		·55		18
19	·03					·01	·11	·45		·05	·02		19
20		·03					·03	·20	·04		·04	·03	20
21	·02			·13				·14					21
22	·25	·03		·25	·03		·07		·01		·02		22
23	·16			·09	·11	·22		·03	·10	·32	·74		23
24	·06	·03		·19	·39		·03		·01	·11	·14	·01	24
25				·71			·13		·01		·02		25
26				·24			·05				·33		26
27	·04		·04	·23			·01			·10	·26	·03	27
28	·24	·04		·04	·41					·22	·04		28
29	·45	×	·11				·09				·06	·65	29
30	·07	✕			·19								30
31	·53	✕		✕	·60	✕	·08		✕	·01	✕	·06	31
TOTAL	2·65	1·52	1·23	3·17	2·42	4·03	3·77	2·67	2·58	1·06	4·34	1·85	YEAR'S TOTAL 31·29
*Days with ·01 in. or more.	20	15	10	15	13	18	21	14	15	12	21	13	187
*Days with ·04 in. or more.	14	9	10	14	11	16	15	12	8	8	14	8	139

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*See Instruction 2 (f) on other side.

(Signed) W. Lovett

[P.T.O.

333

3598

Section **A** for the entr

FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Ilderton, Lilburn Tower Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level ft.

100
150
400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1		.01	.30			.10	.03		.91	.03			1
2		.08	04	.43		63			.38	05	.01	.30	2
3	.03					.10	15		.02		.86	24	3
4	.05	05							.74			11	4
5		.02			.10	.14	09	.35				10	5
6		13	.12			86	03	11	.03		03		6
7			10		32	15					52	02	7
8	.03	03	10		09	07	55	08	.08	02	10		8
9	.04	16	16		06	14	1.28	.12		09	24	11	9
10	02		12		02	04	08				05		10
11		31		02		03	35		.02	02			11
12	.17					08	07	18					12
13			14		.05	12	02	20					13
14	04	.05		04	05	98		11			25	16	14
15	01			19		05		02	.03		03	03	15
16	10	37		15				19	.10		03		16
17		18		41		07	31	49		04			17
18	31			05		24	21		.10		55		18
19	03					01	11	45		05	02		19
20		.03					03	20	.04		04	03	20
21	02			13				14					21
22	25	03		25	.03		07		.01		02		22
23	16			09	11	22		03	.10	32	74		23
24	06	03		19	39		03		.01	11	14	01	24
25				71			13		.01		02		25
26				24			05				33		26
27	04		04	23			01			10	26	03	27
28	24	04		04	41					22	04		28
29	45	×	11				09				06	.65	29
30	07	×			19								30
31	53	×		×	60	×	08		×	.01	×	06	31
TOTAL	2.65	1.52	1.23	3.17	2.42	4.03	3.77	2.67	2.58	1.06	4.34	1.85	YEAR'S TOTAL 31.29
*Days with ·01 in. or more.	20	15	10	15	13	18	21	14	15	12	21	13	187
*Days with ·04 in. or more.	14	9	10	14	11	16	15	12	8	8	14	8	139

40-9999

14

(Signed) W. Lovett [P.T.O.

*See Instruction 2 (f) on other side.

FORM 1090. **B** Monthly Summary.

~~744483/27~~

C Particulars of Station.

~~3598~~

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193

At Lilburn Tower Gds

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft.* – *in.*
Height of Ground above Sea Level 250 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	2·65	·53	31st	20	14
FEB.	1·52	·37	16th	15	9
MAR.	1·23	·30	1st	10	10
APRIL	3·17	·71	26th	15	14
MAY	2·42	·41	28th	13	11
JUNE	4·03	·98	14th	18	16
JULY	3·77	1·28	9th	21	15
AUG.	2·67	·49	17th	14	12
SEPT.	2·58	·91	1st	15	8
OCT.	1·06	·32	23rd	12	8
NOV.	4·34	·86	3rd	21	14
DEC.	1·85	·65	29th	13	8
Total	31,29			187	139

Signature W Lovett

H

*See Instruction 2 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
W Lovett
Lilburn Tower Gds. Alnwick

Hour of observation by the clock—in Winter 9 am in Summer 10 am

Nearest Railway Station Ilderton Distance 1 mile Direction from gauge W

Nearest Parish Church at Ilderton Distance 2½ Direction from gauge SW

Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move Distance Direction

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

(a) yes
(b) between 6 and 7 pm
(c) immediately after
1.28. on July 9th

100
150
400

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m. Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{l}17\\18\end{array}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

London: Published by His Majesty's Stationery Office. To be purchased directly from H.M. Stationery Office at the following addresses: Adastral House, Kingsway, London, W.C.2; 120, George Street, Edinburgh; York Street, Manchester; 1, St. Andrew's Crescent Cardiff; 15, Donegall Square West, Belfast; or through any Bookseller. Price 1d. net.

Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

3598

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. **Station No.** 741483/27

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

Kept at Lilburn Tower Gdns.
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. ' in.
,, Ground ,, Sea Level 250 ft.

100
150
400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·04	—	—	·19	·01	—	—	—	·05	·07	·05	·15	1
2	·12	—	—	·09	·17	—	·06	·02	·04	·47	·04	·12	2
3	·03	·01	—	—	—	·01	·04	—	·11	·05	·04	·01	3
4	·04	—	—	—	·16	—	·43	—	—	—	·04	—	4
5	·02	—	·06	·03	·17	—	·08	—	·08	—	—	·15	5
6	·03	—	—	·04	·02	—	—	—	·03	·03	—	·06	6
7	—	—	·15	—	·04	—	—	—	·30	·02	—	—	7
8	—	·10	·07	·13	·09	—	—	—	·29	·59	·06	—	8
9	·47	·09	—	·43	·14	—	—	—	·02	·10	·02	·13	9
10	—	·14	·08	·15	·01	—	—	—	·17	·21	—	·16	10
11	—	—	—	·10	·33	·18	·29	·01	—	—	·01	—	11
12	·16	·08	—	—	·13	—	·08	·07	—	·16	·04	—	12
13	·07	·11	—	·16	·05	—	—	·05	·15	·14	—	·10	13
14	·04	—	—	·08	—	—	—	—	—	·04	·03	·01	14
15	·21	—	—	·01	·14	—	—	·03	·01	·05	—	·06	15
16	·35	—	·01	[illegible]	—	—	—	—	—	·02	·15	·28	16
17	·01	—	—	—	·07	—	·15	·03	—	·71	—	·12	17
18	—	—	—	—	·07	—	—	—	—	—	·03	·02	18
19	—	·01	·03	·05	·04	—	·05	·01	·01	·15	—	—	19
20	—	—	·29	·02	—	—	—	·40	—	·02	—	·09	20
21	—	—	·26	·21	·12	—	·04	·27	—	·67	—	·03	21
22	—	—	·50	·15	·04	—	·17	—	·01	·03	·17	·01	22
23	—	·08	—	·12	—	—	·24	—	·18	—	—	—	23
24	—	·06	—	—	·01	—	·13	—	·18	·01	—	—	24
25	—	·06	—	—	·15	·02	—	·02	·03	·05	·06	—	25
26	—	·01	·04	—	·25	—	·29	—	1.18	·08	—	—	26
27	—	—	·59	·09	·07	·36	·23	—	—	·81	—	—	27
28	—	—	·06	·07	·65	·26	·08	—	—	·45	—	—	28
29	—	—	·43	·04	·02	·07	·09	·20	·02	·18	·15	·11	29
30	—	×	·09	·02	·02	·94	·01	·06	1.90	·30	·02	—	30
31	·03	×	·05	×	—	×	·37	·02	×	·01	×	·03	31
TOTAL	1.62	·75	2·71	2·18	2,97	1.84	2·83	1·19	4.76	5.42	·91	1.64	YEAR'S TOTAL 28,82
*Days with ·01 in. or more.	14	11	15	20	25	7	18	13	19	26	15	18	201
*Days with .04 in. or more.	9	8	13	16	19	5	17	6	12	19	10	12	146

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) W. Lovett, for E. F. Collingwood, Esq.

P.T.O.

3598

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1933

At Lilburn Tower Gardens

In the County of Northumberland

Rain Gauge
Diameter of Funnel 5 in.
Height of Top above Ground 1 *ft* .... *in.*
Height of Ground above Sea Level 250 *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1.37	·29	2nd	15	9
FEB.	3.95	·96	25th	20	14
MAR.	·86	·19	2nd 3rd	13	8
APRIL	1.59	·39	29th	14	12
MAY	1.54	·43	7th	18	11
JUNE	1.73	·63	8th	13	10
JULY	2.87	·48	12th	14	12
AUG.	1.86	·84	28th	14	8
SEPT.	1.48	·43	25th	10	7
OCT.	4.51	1.19	7th	17	14
NOV.	4.46	·99	2nd	21	15
DEC.	2.04	·47	14th	24	15
Total	28,26 ✓			193 ✓	135 ✓

100
150
400

Signature Walter Lovett
For E. F. Collingwood Esq

M

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—
Walter Lovett, Head Gardener.
Lilburn Tower Gardens. Alnwick. Northd.

Hour of observation by the clock—in Winter 9 am in Summer 10 am.

Nearest Railway Station Ilderton Distance 1 mile Direction from gauge W.

Nearest Parish Church at Ilderton Distance 3 miles Direction from gauge S.W.

Nature of objects nearest to gauge	Cottage	Yew Hedge		
Heights of objects	30 ft.	6 ft.		
Distances ..	20 yds	10 yds		
Directions from gauge ..	S.E.	S.		

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st, it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as 0·1 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 | 18 | }·14 | would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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Printed under the authority of His Majesty's Stationery Office by JOHN CORAH & SON, LTD., Loughborough and London.

(457) Wt.9673/738 16000 8/32. Gp. 119/110.

3598

Section **A** for the entry of Daily Observations. COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Ilderton, Lilburn Tower Gdns.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft 0 in.

,, Ground ,, Sea Level ft.

100.
150
400.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	·03	·05			·03					·02		·06	1
2	·29		·19			·21					·99	·05	2
3	·04	·07	·19	·06	·04						·37		3
4	·20	·03	·06	·07	·03							·01	4
5	·04	·04	·05		·09								5
6		·20	·03					·21			·02	·11	6
7	·03	·12			·43					1·19	·01	·03	7
8			·06	·05	·25	·63		·02				·38	8
9		·28			·03	·01	·06			·21		·11	9
10	·02	·02				·10					·49	·05	10
11					·08			·08		·05		·02	11
12						·20	·02					·17	12
13			·02				·48	·03	·03	·01	·05	·02	13
14	·07				·07		·24			·04	·12	·47	14
15	·05		·06	·07		·13	·25			·08	·29	·02	15
16	·06		·03	·03	·08	·12		·06			·17	·06	16
17	·26	·05		·10	·01	·01		·02	·05		·67		17
18		·36	·07	·14		·07	·03	·02			·56	·01	18
19		·33	·06			·04	·11	·08			·10		19
20		·02			·07				·31	·04	·02		20
21		·03		·04		·09		·15	·05	·10	·11	·02	21
22		·02						·20		·77	·01	·01	22
23		·21			·14	·11		·10	·26	·03	·13		23
24		·32		·24	·06	·01	·05		·26	·08	·04	·02	24
25		·96		·18			·15		·43	·35	·02	·04	25
26	·03	·76		·07	·08				·02	·31	·08	·08	26
27		·07			·02		·71			·28	·18	·04	27
28	·03	·01		·02	·02		·42	·84	·03	·60	·03	·06	28
29		×		·39	·01		·15	·03		·35			29
30	·01	×	·02	·13			·07		·04			·06	30
31	·21	×	·02	×		×	·13	·02	×		×	·14	31
TOTAL	1·37	3·95	·86	1·59	1·54	1·73	2·87	1·86	1·48	4·51	4·46	2·04	YEAR'S TOTAL 28·26
*Days with ·01 in. or more.	15	20	13	14	18	13	14	14	10	17	21	24	193
*Days with ·04 in. or more.	9	14	8	12	11	10	12	8	7	14	15	15	135

40-9999

*See Instruction 2 (*f*) on other side.

D M

(*Signed*) W. Lovett

[P.T.O.

~~W/ ✓ ✓~~ (1) may corrd. by cards. Nov. & Dec. 3598

COPY FOR OFFICIAL USE.

Section **A** **for the entry of Daily Observations.** **Station No.** ~~741483/27~~

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Lilburn Tower Gardens

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft – in.

,, Ground ,, Sea Level 250 ft.

100
150 T.L.
400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	.03	–	.01	–	–	–	–	.32	–	–	–	.02		1
2	–	.02	.06	.02	–	–	–	.03	.19	–	.06	.17		2
3	–	.04	–	–	–	–	–	–	–	.08	.09	.08		3
4	.04	–	–	.10	–	–	–	–	–	.38	.16	1.36		4
5	.01	–	.43	.17	.20	.04	–	.10	–	–	.33	.08		5
6	.05	–	–	.17	.41	1.17	–	1.10	.04	.10	.94	.23		6
7	–	.10	–	.12	.16	–	–	–	–	–	–	.08		7
8	–	–	.10	–	8 .06	–	–	.01	.03	.06	.05	.02		8
9	–	–	.03	.72	–	–	–	–	.02	.02	.81	.02		9
10	.02	–	.50	.66	–	–	–	.66	–	–	1.02	–		10
11	.05	–	1.02	1.06	.03	–	–	.01	–	–	.18	.01		11
12	.02	–	.98	.35	.05	–	.11	.24	–	–	.07	.13		12
13	.23	–	.06	.08	.01	.06	.18	–	–	.03	–	.01		13
14	.48	–	.10	–	.02	.01	.10	.02	–	.06	.05	.13		14
15	–	–	.30	.03	.42	.05	–	–	.08	.44	.05	.18		15
16	.11	–	.19	–	.06	–	–	–	–	.09	.13	.01		16
17	.27	–	.02	–	.07	–	.29	–	.32	.08	.02	.27		17
18	.15	–	.02	.13	.02	–	.11	.02	.01	–	–	.06		18
19	–	–	.22	.22	.07	.04	.10	.11	.02	–	.02	.03		19
20	–	–	.05	–	.01	.15	–	.20	–	–	–	–		20
21	–	–	–	.01	–	1.12	–	.11	.05	–	–	–		21
22	–	–	–	.09	–	.78	.02	.07	.18	.05	.01	.22		22
23	–	–	.12	.08	–	–	–	–	–	.02	–	.11		23
24	–	.01	–	.03	.01	.01	.03	–	–	.62	–	.07		24
25	.01	–	–	.10	–	–	.02	–	.08	.36	–	1.01		25
26	–	–	–	.24	–	.13	–	–	.03	.28	–	.14		26
27	–	.34	–	.45	–	–	.02	–	.03	.39	–	.14		27
28	–	.02	–	.37	–	–	.37	.24	–	–	–	.28		28
29	.02	×	.11	–	–	–	.15	.22	.32	.54	–	.02		29
30	.13	×	.03	–	–	–	.02	–	.09	1.64	–	.03		30
31	.06	×	–	×	–	×	–	.11	×	.07	×	.01		31
TOTAL	1.68	.53	4.35	5.20	2 1.6~~0~~	2.56	1.52	3.57	1.49	5.31	4.09	4.84	Year's Total. 6 36,7~~4~~	
* Days with .01 in. or more.	16	6	19	21	15	11	13	17	15	19	16	28	196	
* Days with .04 in. or more.	10	3	14	17	9	9	8	1~~3~~ 2	9	16	13	1~~7~~ 8	13~~8~~	

40-9999

* See Instruction 2 (f) on other side.

M

† Spare column, no entries required.

(*Signed*) W. Lovett.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Ilderton, Lilburn Tower Gardens

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

100
150
400

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·03		·01				–	·32				·02		1
2		·02	·06	·02				·03	·19		·06	·17		2
3		·04								·08	·09	·08		3
4	·04			·10						·38	·16	1·36		4
5	·01		·43	·17	·20	·04		·10			·33	·08		5
6	·05			·17	·41	·17		1·10	·04	·10	·94	·23		6
7		·10		·12	·16							·08		7
8			·10		·08			·01	·03	·06	·05	·02		8
9			·03	·72					·02	·02	·81	·02		9
10	·02		·50	·66				·66			1·02			10
11	·05		1·02	1·06	·03			·01			·18	·01		11
12	·02		·98	·35	·05		·11	·24			·17	·13		12
13	·23		·06	·08	·01	·06	·18			·03		·01		13
14	·48		·10		·02	·01	·10	·02		·06	·05	·13		14
15			·30	·03	·42	·05			·08	·44	·05	·18		15
16	·11		·19		·06					·09	·13	·01		16
17	·27		·02		·07		·29		·32	·08	·02	·27		17
18	·15		·02	·13	·02		·11	·02	·01			·06		18
19			·22	·22	·07	·04	·10	·11	·02		·02	·03		19
20			·05		·01	·15		·20						20
21				·01		1·12		·11	·05					21
22				·09		·78	·02	·07	·18	·05	·01	·22		22
23			·12	·08						·02		·11		23
24		·01		·03	·01	·01	·03			·62		·07		24
25	·01			·10			·02		·08	·36		1·01		25
26				·24		·13			·03	·28		·14		26
27		·34		·45			·02		·03	·39		·14		27
28		·02		·37			·37	·24				·20		28
29	·02	X	·11				·15	·22	·32	·54		·02		29
30	·13	X	·03				·02		·09	1·64		·03		30
31	·06	X		X		X		·11	X	·07	X	·01		31
													Year's Total	
TOTAL	1·68	·53	4·35	5·20	1·62	2·56	1·52	3·57	1·49	5·31	4·09	4·84	36·76	
*Days with ·01 in. or more.	16	6	19	21	15	11	13	17	15	19	16	28	196	
*Days with .04 in. or more.	10	3	14	17	9	9	8	12	9	16	13	18	138	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required

(*Signed*) W. Lovett

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. **Station No.** 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Ilderton, Lilburn Tower Gardens
in the County of Northumberland

Diameter of Funnel of Gauge .... in.
Height of top of Gauge above Ground .... ft .... in.
,, Ground ,, Sea Level .... ft.

100
~~150~~
400 TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	**Jan.**	**Feb.**	**Mar.**	**April**	**May**	**June**	**July**	**Aug.**	**Sept.**	**Oct.**	**Nov.**	**Dec.**		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·30		·48	·01	–		·14		·30	·01				**1**
2			·23	·04		·18			·04	·59	·02			**2**
3		·02	·22	·08		·36	·03				·17			**3**
4			·02	·01		·21			·03	·29	·16			**4**
5	·32	·03				·12			·01	·26	·08			**5**
6	·15	·03				·19			·03	·26	·02			**6**
7	·32			·22		·40				·03	·35	·02		**7**
8	·01			·21		·28				·01	·03			**8**
9		·03		·21		·01	·01			·04	·26	·08		**9**
10		·07		·19		·09				·04	·19			**10**
11	·19	·02		·02		·12		·78	·01	·02	·03	·06		**11**
12		·03			·02	·04			·02			·02		**12**
13	·07	·02		·07	·25	·06	·12		·03					**13**
14		·01	·03	·08		·08			·02	·01	·23	·16		**14**
15		·14		·26	·14	·27		·08	·08	·03	·18	·11		**15**
16		·41	·06	·33	·45	·27	·10	·40	1·33	·03	·11	·41		**16**
17	·01			·30	·20	·02	·03	·35	·12	·06	1·22	·47		**17**
18	·04	·03				·01	·30	·32	·15	·20	·02	·17		**18**
19	·02	·11		·03		·28	·18		·03	·07		·01		**19**
20		·12		·41		·03	·02							**20**
21			·06	·42					·26	·38	·02			**21**
22		·34	·15	·52					·17		·09			**22**
23	·02		·01	·02				·05		·17				**23**
24	·06	·30	·01	·04		·01		·01	·07			·31		**24**
25	·06	·12				·02					·04	·16		**25**
26	·07			·07	·02		·01	1·68	·22	·11	·04	·37		**26**
27	·02	·11							·10	·21	·08	·02		**27**
28	·01	·02	·03					·01	·02	·15	·01	·01		**28**
29		×	·16			·13		·02	·04	·13		·12		**29**
30		×				·43		·49	·12	·37	·61	·01		**30**
31		×		×		×		·01	×	·15	×	·23		**31**
													Year's Total	
TOTAL	1·67	1·96	1·46	3·54	1·08	3·61	·94	4·20	3·20	3·62	3·96	2·74	31·98	
*Days with ·01 in. or more.	16	19	12	21	6	23	10	12	22	24	22	18	205	
*Days with .04 in. or more.	10	9	7	16	4	17	5	8	13	17	15	12	133	

40-9999

*See Instruction 2 (*f*) on other side.

M

† Spare column, no entries required.

(*Signed*) W Lovett

P.T.O.

3598

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 193....

At Lilburn Tower Gds'......

In the County of Northumberland

Rain Gauge:
Diameter of Funnel............5..........in.
Height of Top above Ground...1....ft....–.......*in.*
Height of Ground above Sea Level....250...*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1.67	·32	5th	16	10
FEB.	1.96	·41	16th	19	9
MAR.	1.46	·48	1st	12	7
APRIL	3.54	·52	22nd	21	16
MAY	1.08	·45	16th	6	4
JUNE	3.61	·43	30th	23	17
JULY	·94	·30	18th	10	5
AUG.	4.20	1.68	26th	12	8
SEPT.	3.20	1.33	16th	22	13
OCT.	3.62	·59	2nd	24	17
NOV.	3.96	1.22	17th	22	15
DEC.	2.74	·47	17th	18	12
TOTAL	31.98			205	133

Signature ...W. Lovett.......

[illegible]

M

*See Instruction 2 (*f*) below.

C Particulars of Station,

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
W. Lovett
Lilburn Tower : Gds: Alnwick

Hour of observation by the clock—in Winter.....9. am.......in Summer..10. am.
Nearest Railway Station....Ilderton....... Distance..1 mile...Direction from gauge....W.
Nearest Parish Church at....Ilderton........ Distance.2½.......Direction from gauge....S.W.

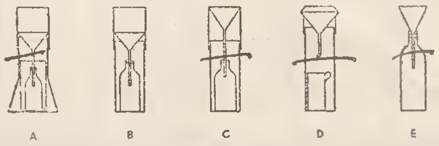
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.. Distance............... Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

100
150
400

M.O. 7
8 JAN 1936

TL

D INSTRUCTIONS.

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st;* ~~*it is therefore the amount measured on January 2nd.*~~ *9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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M.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Ilderton, Lilburn Tower Gdns.

in the County of Northumberland

Diameter of Funnel of Gauge .... in.

Height of top of Gauge above Ground .... ft .... in.

,, Ground ,, Sea Level .... ft.

Copy by B.R.O.

150
400

TL

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	·23	·98	·36			·12	·16	·26	·45	–	·02	–		1
2	·15	·02	·02			·02	·12	·07	·06	–	·02	·26		2
3	·01					1·25	06	·02	·22	–	–	·02		3
4	35		·03		·02			·14	·05	·04	·04	–		4
5	·20				·04			·05	·02	–	·05	–		5
6	·01			·04	·02		41	·30	·29	·02	·17	–		6
7	05		·05				·23			–	·15	·01		7
8	·13		07					·03		·25	·06	–		8
9	·91		·81			·08		·05	06	·11	·34	·01		9
10	·12			·08			·05			–	·07	–		10
11				·21		05		·15	·03	·02	1·12	·02		11
12	·05			17	·12	·04	05	·10	·38	–	·28	–		12
13	·03			27			·74			·03	·04	·79		13
14				34		15		02	·22	–	·02	·07		14
15			02	·25	·11	·05	10	·07	·03	–	·10	·06		15
16	·12			·03		01				–	·19	·02		16
17	·20	·35		·07	06		·22			·09	·82	·24		17
18		·18		·04			·01		·06	·12	·03	·02		18
19	·15	15					·19			·05	–	·01		19
20	·48	·09	·01	·04			·05			·02	–	·02		20
21	·24	·08	·01				·19			–	–	·08		21
22		·39			·14	·02				–	–	–		22
23		·13	03	06	02		28			–	–	–		23
24	03	·30	·01		·66		·05		·62	·35	–	–		24
25	·25	·04	06	·01	·03		01		·04	·03	–	–		25
26	13	·03	06		·01				·09	·13	–	–		26
27	·09		·09		·02				·23	–	·03	–		27
28	·07	·60	·01				·03			–	–	–		28
29	83	·71	·26		·09	63	·15			·17	–	·02		29
30	·03	×	·02		·03		·08		01	·13	–	·03		30
31	·01	×	08	×	10	×			×	–	×	·04		31
TOTAL	4·87	4·05	2.00	1·61	1·47	2·42	3·18	1·26	2·86	1·56	3·49	1·78	Year's Total 30·49	
* Days with .01 in. or more.	25	14	18	13	15	11	20	12	17	15	18	17	195	
* Days with .04 in. or more.	19	12	9	11	8	8	17	9	13	10	12	7	135	

40-9999

† Spare column, no entries required.

(Signed) W. Lovett

* See Instruction 2 (f) on other side.

[P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090.

REGISTER OF RAINFALL IN 1937.

Kept at Ilderton, Lilburn Tower Gdns.

in the County of Northumberland

Diameter of Funnel of Gauge..................in.

Height of top of Gauge above Ground.........ft..........in.

,, Ground ,, Sea Level ....ft.

Copy by B.R.O.

100150400

T.V

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·02	·05	·63	·01	–	·28	–	–	·05	–	·01	·17		1
2	·02	·11	·03	·13	–	·05	–	–	·02	·20	·01	·20		2
3	·03	·29	·01	·11	·11	·09	·22	–	–	–	–	·09		3
4	·30	·03	·03	·01	·03		·16	·05	·03	–	–	·14		4
5	·03	–	·15	·01	·26		·04	–	·06	–	·01	·28		5
6	–	–	·09	·02	·07		–	–	·13	·02	·14	·15		6
7	–	·11	·34	·07	·01		·37	–	·03	–	·29	·53		7
8	–	·41	·03	·01	–		·21	–	–	·04	·11	·34		8
9	–	02	·13	20	–		·27	·13	–	–	·04	·20		9
10	–	–	·17	·02	·05	·03	·17	–	–	–	–	·26		10
11	–	–	·69	–	–	·07	–	–	–	–	–	·62		11
12	·46	·23	·96	·04	–		–	–	03	·01	–	·04		12
13	–	·03	·81	–	·11	·02	·03	·07	·11	–	–	·55		13
14	–	–	·08	·03	–	·47	·01	1·01	·01	–	–	·60		14
15	·09	·37	–	·29	–	·01	·02	–	–	–	–	·14		15
16	·02	·01	·49	·20	–	·11	·37	–	·06	–	·04	·45		16
17	·22	·02	·34	·04	·05	·02	–	–	·32	–	–	·03		17
18	–	·10	·01	–	·15	·21	·01	·07	·06	–	·03	–		18
19	–	·03	–	03	–	·06	–	·02	·04	–	·43	–		19
20	·09	–	·16	·17	1·39		·04	·02	·01	·18	–	·01		20
21	·11	–	·01	·10	·52		·16	–	–	·07	–	·07		21
22	·02		·17	–	·04		·05	·07	–	·04	–	·04		22
23	·12	–	–	–	·03		–	–	–	·95	·03	·02		23
24	25	·02	–	–	–		·39	–	·05	·14	–	·01		24
25	·17	·39	–	–	·04		·03	·07	–	·20	–	–		25
26	·13	·23	·02	–	·08		–	–	–	–	–	·01		26
27	·03	1·11	–	06	·58		–	–	–	·29	–	·02		27
28	·16	·02	·01	–	–	·01	–	–	–	·14	–	·03		28
29	·23	×	–	–	–	·04	–	·58	–	·13	–	·13		29
30	·55	×	–	–	–	·02	–	·55	–	·01	·09	·03		30
31	·29	×	–	×	–	×	–	·30	×	·36	×	–		31
TOTAL	3·34	3·58	5·39	1·55	3.52	1·49	2.55	2·94	1·01	2·78	1·23	5·16	Year's Total 34·54	
* Days with .01 in. or more.	21	19	22	19	16	15	17	12	15	15	12	27	210	
* Days with .04 in. or more.	14	11	14	11	13	9	12	10	9	12	7	~~20~~ 19	141	

40-9999.

† Spare column, no entries required.

* See Instruction 2 (f) on other side.

(*Signed*) .... [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Ilderton, Lilburn Tower Gdns.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 250 ft.

Copy by B.R.O.

100 150

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·01	·13	-			1·52	·13	–	·08	—	·13	·01		1
2	·12	·43	-	·04		·47	·48	–	—	·41	·04	·05		2
3	·05	·01	-	·02		·04	·01	–	·06	1·06	·28	-		3
4	·04		-	·01			·33	·01	—	·11	·04	·24		4
5	-	·05	·01	·01			·04	·07	·04	·16	—	-		5
6	·03		-			·08	·08	·10	·03	·16	-	-		6
7	-		-				·73	·37	·09	·04	·18	·02		7
8	·14		-				·08	·03	—	·53	·85	·03		8
9	·50	·04	-		·16	·04	·08	—	—	·04	-	·21		9
10	-		-			·21	·02	—	—	·01	-	·04		10
11	-		-			·06	·01	—	—	·01	·09	·09		11
12	·26	·08	-		·05		·06	·52	—	·11	·50	·01		12
13	·03		-		·01		·02	·04	·26	—	-	·18		13
14	·39		-		·02		—	—	—	·01	-	·03		14
15	·07	·08	-		·03		·05	·13	·01	—	-	·34		15
16	·30	·07	-		·25		—	·02	·02	—	·01	·17		16
17	-		-		·13		·02	·04	·09	·58	-	-		17
18	·05	·08	-		·02	·18	—	-	·03	·05	·41	·11		18
19	-		·27		·02		—	·07	—	—	·01	·06		19
20	·03		·41				—	-	·06	—	-	·30		20
21	-		-		·04		—	·15	—	—	·01	·25		21
22	-	·01	-	·02	·09		—	-	—	—	·25	·34		22
23	-		-	·02	·02	·13	—	·23	—	—	·31	·11		23
24	·05		·02	·21	·03	·07	—	-	·08	·90	·09	·05		24
25	-		·01	·02	·04		1·08	-	—	·31	·01	·12		25
26	-	·26	·02			·08	·07	-	—	·28	—	-		26
27	·12		-	·04	·28	·16	·30	·09	·03	·26	·04	·05		27
28	·08		-		·83	·43	·03	-	·16	·09	-	·04		28
29	-	×	-	·02	·02		·08	·13	—	—	·17	-		29
30	·08	×	-				—	·67	·61	·01	·05	-		30
31	·43	×	-	×	·34	×	-	·05	×	·09	×	·27		31
TOTAL	2·78	1·24	·74	·41	2·38	3·47	3·70	2·72	1·65	5·22	3·47	3·12	Year's Total 30·90	
* Days with .01 in. or more.	19	11	6	10	18	13	20	17	15	21	19	24	193	
* Days with .04 in. or more.	15	9	2	3	10	13	14	14	10	~~16~~ 17	15	19	141	

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) G. Lovett

[P.T.O.

2·39

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1939

Kept at Ilderton, Lilburn Tower Gdns.

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

" Ground " Sea Level 250 ft.

100 150 TL

Copy by B.R.O.

400

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.✓	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	·62	–	·07	·01	–	–	–	·01	·06	·25	·03	–		1
2	·67	–	·02	·07	–	–	·02	·05	·35✓	·03	–	–		2
3	–	–	·04	·12	–	–	·02	·16	·01✓	·02	·03	·16		3
4	·08	–	·26	–	–	–	·13	–✓	·26	·02	·26	·03		4
5	–	·01	·03	–	·20	–	·23	·06✓	·01	·47	·42	·60		5
6	·15	–	·04	–	·04	–	·24	–	–	·16	–	·02		6
7	·06	–	·05	–	–	–	·02	–	–	·06	·03	·01		7
8	·11	·13	·12	·05	·01	–	–	·14	·01	–	·07	·41		8
9	·05	·03	–	–	–	–	·32	·22	–	·94	–	·03		9
10	–	–	·01	–	–	·01	–	·04	·59	·20	·01	–		10
11	·22	·02	·30	–	·03	·17	·02	–	·02	·31	–	·03		11
12	·01	·03	·10	–	–	–	·15✓	–	·14	·88	·04	–		12
13	–	·04	–	·01	·34	·04	·02	–	–	·28	·01	–		13
14	·67	–	·05	·01	·22	·14	·15	–	·01	·38	·22	·02		14
15	·21	·02	·01	–	·01	·38	–	–	–	·10	–	·09		15
16	·26	·02	·10	·01	·10	–	–	–	–	·01	–	·01		16
17	·46	·01	·03	·07	·08	–	·11	–	–	–✓	·02	[illegible]		17
18	·69	·02	·08	–	–	·10	·03	–	–	·04	·33	·05		18
19	·15	–	·04	–	·04	·50	–	–	–	–	–	–		19
20	·02	–	·01	·07	–	·05	·01	·04✓	–	–	–	–		20
21	·08	·32	·02	·16	·05	–	–	·03	·01	–	–	–		21
22	·23	·39	·03	·01	–	·02	–	–	–	·01	·05	·01		22
23	·09	·08	·06	·01	–	·09	·05	–	·04	–	–	–		23
24	–	·04	·18	·47	–	·13	–	–	–	–	·27	–		24
25	·02	·07	·05	·05	–	–	–	·06	–	·13	·17✓	·13		25
26	·13	–	·10	·07	–	–	–	·34	·12	1·03	·33	·05		26
27	·03	·22	·93	·05	–	·11	·01	·06	–	·17	–	·02		27
28	·11	·13	·34	·10	–	·01	·10	–	–	·01	·19	·15		28
29	–	×	·03	–	–	·03	·61	·01	–	·32	–	·04		29
30	·04	×	·03	·02	–	·11	·03	–	·26	·01	·41	–		30
31	–	×	·03	×	–	×	·09	–	×	·04	×	–		31
TOTAL	5·16	1·58	3·16	1·36	1·12	1·89	2·36	1·22	189	5·87	2·89	1·86	Year's Total 30.36	
* Days with .01 in. or more.	24	17	29	18	11	15	20	13	14	24	18	18	221	
* Days with .04 in. or more.	20	9	19	11	8	11	11	10	8	17	12	9	145	

† Spare column, no entries required.

* See Instruction 3 (f) on other side.

(*Signed*) ....

[P.T.O.

COPY FOR OFFICIAL USE

Section A for the entry of Daily Observations — Station No. 3598

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 19~~3~~40

100 150 ×100

Kept at Ilderton (Lilburn Tower Gdns)

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. 0 in.

,, Ground ,, Sea Level 250 ft.

BRITISH RAINFALL ORGANIZATION.

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	–	·01	–	·02	–	–	·10	–	–	–	·03	·08		1
2	–	–	–	·02	–	–	·15	–	–	–	·64	·03		2
3	02	–	–	·10	–	–	·20	–	·03	·03	–	–		3
4	–	·43	–	·01	–	–	·22	–	–	·10	–	·04		4
5	–	–	–	–	·08	–	–	·02	–	·15	·27	·29		5
6	·03	·02	·07	–	–	–	·15	·02	–	·08	·38	·43		6
7	·19	·19	–	·07	·11	–	·34	–	–	–	–	–		7
8	–	·01	·01	–	–	–	·01	–	·12	·15	·10	–		8
9	–	–	·35	–	–	–	·41	–	–	·33	·28	–		9
10	–	–	–	–	–	–	·96	·05	–	·01	·26	–		10
11	–	·16	·57 ✓	–	02	–	·02	–	·03	–	–	·01		11
12	–	–	1·09	–	–	–	–	–	·05	–	·10	–		12
13	–	·23	·08	–	–	–	1·18	–	·03	–	·03	·01		13
14	–	·03	02	·05	–	–	·91	–	·03	·06	–	·27		14
15	·02	–	–	–	·03	·03	–	–	–	–	·33	·05		15
16	·27	–	–	–	–	–	·67	–	·91	·31	–	·03		16
17	–	–	·01	–	–	–	2·07	–	·20	·27	·04	·01		17
18	03	–	·18	–	–	–	·05	–	·10	–	·53	–		18
19	–	–	–	·05	–	–	·04	·06	·16	·01	·31	·05		19
20	–	·11	·03	·14	·03	–	·13	·06	–	–	·03	–		20
21	·46	–	05	·20	–	·20	–	·11	–	·31	–	–		21
22	09	·02	·09	·01	·02	·02	–	·05	·24	·34	–	–		22
23	–	·08	·13	·33	·02	–	·13	–	–	·09	·06	·03		23
24	·10	·02	–	·41	·16	–	·05	–	·03	·19	–	·12		24
25	–	–	–	–	·05	–	·15	·15	–	·03	·03	·06		25
26	·19	·03	01	·05	·21	·01	·16	–	·05	·04	–	·01		26
27	–	·26	–	·01	–	–	·03	–	–	·13	–	–		27
28	·03	·19	–	·02	–	–	–	·05	·02	·01	·02	·01		28
29	·14	·01	·38	·02	–	·01	·03	–	–	–	–	·19		29
30	·17	✕	–	–	·03	–	–	–	–	·27	–	·41		30
31	·23	✕	·19	✕	·06	✕	–	–	✕	·01	✕	·42		31
TOTAL	1·97	1·80	3·26	1·51	·82	·27	8·16	·57	2·00	2·92	3·44	2·55	Year's Total 29·27	
* Days with .01 in. or more.	14	16	16	16	12	5	23	9	14	21	17	20	183	
* Days with .04 in. or more.	9	8	11	8	6	1	19	7	8	15	12	12	116	

† Spare column, no entries required

*See Instruction 3 (f) on other side.

(*Signed*) W. Rovett

[P.T.O.

3599

Section **A** for the entry c

FOR OFFICIAL USE.

AIR MINISTI

L ORGANIZATION.

FORM 1090.

REGIS

Kept at Victoria House

in the County of Northum

Diameter of Funnel of Gauge

Height of top of Gauge above Grou

,, Ground ,, Sea

THE MORNING MEAS

An observer who does not conform t
year in the space on the right of t

ollowing

Jan. 1, following

3599

WOOLER, VICTORIA HSE.,
1931 — 38

780702

Date	Jan.	Feb.	March								Nov.	Dec.	Date
	in.	in.	in.								in.	in.	
1				46		24	05		81	04		50	1
2						61			40			15	2
3			05			08	10		65	03			3
4	10	08					05				72		4
5			10			15	06		05	05		16	5
6		20	15			101		37					6
7					51	10	13	09			48		7
8			05			15	43	07					8
9	09	19	10		10		44	12		03	35	09	9
10			45				10						10
11		29		03		12	14						11
12							20	15					12
13	17		23								25		13
14		03		03	07	105							14
15				17			05	10	13			17	15
16				15					06				16
17		50		34		25	30	62		05			17
18	35			03		25	14		15		58		18
19							12	50					19
20		03						24					20
21				10			02						21
22	23			34	03			05					22
23				05		30				30	52	01	23
24				10	42				11	10	11		24
25		10		65			15						25
26				16			05						26
27			05	25						12	62		27
28	45			03	47								28
29	50		10		32		10						29
30		×							05		05	70	30
31	103	×		×	50	×	08		×	20	×		31
TOTAL	2-92	1-42	1-28	2-89	2-22	5-32	2-67	3-31	2-39	91	3-68	1-79	YEAR'S TOTAL 30-79
*Days with ·01 in. or more.	8	8	9	15	8	12	19	10	9	9	9	7	123
*Days with ·04 in. or more.	8	6	9	11	7	12	17	10	9	6	9	6	120

40-9999

*See Instruction 2 (*f*) on other side.

(Signed) Elizabeth M. Dodds

[P.T.O.

Section **A** for the entry o

FOR OFFICIAL USE.

3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1931.

Kept at Victoria House Wooler

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft in.

,, Ground ,, Sea Level 176 ft.

d/fp

looks two low

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1				46		24	01		81	04		50	1
2						61			40			15	2
3			05			08	10		65	03			3
4	10	08					05				72		4
5			10			15	06		05	05		16	5
6		20	15			101		37					6
7					51	10	13	09			48		7
8			05			15	43	07					8
9	09	19	10		10		44	12		03	35	09	9
10			45				10						10
11		29		03		12	14						11
12							20	15					12
13	17		23								25		13
14		03		03	07	105							14
15				17			05	10	13			17	15
16				15					06				16
17		50		34		25	30	62		05			17
18	35			03		25	14		15		58		18
19							12	50					19
20		03						24					20
21				10			02						21
22	23			34	03			05					22
23				05		30				30	52	01	23
24				10	42				11	10	11		24
25		10		65			15						25
26				16			05						26
27			05	25						12	62		27
28	45			03	47								28
29	50		10		32		10						29
30		✕							05		05	70	30
31	103	✕		✕	50	✕	08		✕	20	✕		31
TOTAL	2-92	1-42	1-28	2-89	2-22	5-32	2-67	3-31	2-39	91	3-68	1-78	YEAR'S TOTAL 30-79
*Days with ·01 in. or more.	8	8	9	15	8	12	19	10	9	9	9	7	123
*Days with ·04 in. or more.	8	6	9	11	7	12	17	10	9	6	9	6	116 129

40-9999

(Signed) Elizabeth M. Dodds

[P.T.O.

*See Instruction 2 (*f*) on other side.

3599

Section **A** for the entry of Daily Observations.

COPY FOR OFFICIAL USE.

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1932.

arithmetical errors

observer informed 12/5/33

Min drawn 26.42

March 1.5" low.
Sept 2" low.
Year also about 4" low

de/p

see 906 attached

Kept at Victoria House Wooler
in the County of Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 176 ft.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1				24						12	08	12	1
2	20				12					43		18	2
3													3
4	05						35	02					4
5			08		39				33		05		5
6	02	06								04		20	6
7			15	22					24			12	7
8				33	12				33	70	11	13	8
9	60		08	22	15				03	13			9
10		22			05				20	15			10
11					15	12	42	01					11
12	15	08			28		08	05		05			12
13				10					17	12		18	13
14	04				08								14
15	20									10	15		15
16	42				12						10	24	16
17		09					11	10		59		10	17
18					06								18
19					06					10			19
20			43					60					20
21			23		08					80			21
22			45	22			17			05	20	12	22
23		10		10			33		20				23
24		05					20		17				24
25		04			10			14	84		05		25
26					30		12						26
27			55	24	07					70			27
28				06	45	65	21			65			28
29			43				05	11		12	10	06	29
30		×	10	05		81	45	05	163	30			30
31		×		×		×			×		×	02	31 26.00
TOTAL	168	64	~~130~~ 2·50	178	~~2·57~~ 2·59	1·58	2·49	1·08	~~2·49~~ 4·17	5·15	84	1·50	YEAR'S TOTAL ~~23·10~~
*Days with ·01 in. or more.	~~6~~	~~4~~	~~9~~	~~10~~	~~16~~	~~3~~	~~11~~	~~8~~	~~10~~	~~17~~	~~8~~	~~11~~	~~118~~
*Days with ·04 in. or more.	~~7~~	~~7~~	~~9~~	~~10~~	~~16~~	~~3~~	~~11~~	~~6~~	~~9~~	~~17~~	~~8~~	~~10~~	~~113~~

40-9999

(Signed) Elizabeth M Dodds

P.T.O.

*See Instruction 2 (*f*) on other side.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1933.

Kept at Victoria House Wooler

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft ..... in.

,, Ground ,, Sea Level 176 ft.

Observer wishes return corrected if necessary

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	
1	43											06	1
2	08		25			19					45		2
3	28										44		3
4		35	03	10									4
5									03				5
6								19				16	6
7										72		32	7
8	05			05	52	45				20			8
9		32	08			13	03						9
10	02							10			47		10
11		05				11	01					39	11
12													12
13							55			07		24	13
14							60				50		14
15			10		29	15	38			10	24		15
16	20			10		11							16
17			01	19		10			03		52		17
18		45		11			04				52		18
19					15		10	15			10		19
20									46				20
21						15		25	15	12	04	04	21
22								19		70			22
23	24						53		30	10			23
24		50		38		10			08	15			24
25		100		06			42			10		03	25
26		130					35		40	40		07	26
27							08			28		10	27
28								71		34	33		28
29				55						14		17	29
30	20	×		05				1	03				30
31		×		×		×			×		×		31
TOTAL	1·54	3·97	·47	1·59	·96	1·49	3·19	1·59	1·48	3·42	3·57	1·61	YEAR'S TOTAL 24·88
*Days with ·01 in. or more.	8	7	5	9	3	9	11	6	8	13	9	10	98
*Days with ·04 in. or more.	7	7	3	9	3	9	9	6	5	13	9	9	89

40-9999

*See Instruction 2 (*f*) on other side.

(*Signed*) Elizabeth M. Dodds

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Victoria House Wooler

in the County of Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 176 ft.

Totals of Days.

ay

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1								47						1
2		04									13	18		2
3		02								40	05			3
4	08									50	15	~~180~~ 1·80		4
5			30	15	59			07	15		48	12		5
6	15			15				103			60	12		6
7				06	10	04								7
8			10											8
9				05						10	80			9
10	12		70	150				64			81			10
11			123	135							19			11
12			73	25	09	50		17			11	20		12
13	54		02	18			19				06			13
14	08		35		03		10					20		14
15			13		33					29		20		15
16	20		25		18					06				16
17			07				36		31	05		20		17
18				23			14					14		18
19			23	12		20	06							19
20								43						20
21	05			08		193	10	08	18					21
22						10		20		10	16			22
23										05				23
24		06	05	12						50		10		24
25				23					05			~~140~~ 1·40		25
26				20		14				56				26
27		15		48						66		02		27
28				34			60	19	10			34		28
29			10							75				29
30	20	×								154			a	30
31		×	05	×		×		72	×		×			31
TOTAL	1·42	·27	4·41	5·49	1·32	2·41	1·55	4·00	·79	5·56	3·54	~~4·07~~ 5·05	Year's Total 35·81	
*Days with ·01 in. or more.	8	4	14	16	6	6	7	10	5	13	11	13	113	
*Days with ·04 in. or more.	8	3	13	16	5	6	7	10	5	13	11	12	109	

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Elizabeth M. Dodds

T.O.

COPY FOR OFFICIAL USE.

Section A for the entry of Daily Observations.

Station No. 3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1935.

Kept at Victoria House, Tankerville Terrace
in the County of Wooler Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft in.
,, Ground ,, Sea Level 176 ft.

B.A.
Obs asks that any correction should be made
no need to notify

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	†	Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.		
1	39		52				21		25			59		1
2	30		33				05			47		06		2
3	32		38			52				41	26			3
4	18	04				28			06	47				4
5						84				30				5
6						15			02		10			6
7				28		24					39			7
8				15		40								8
9		19	03	50							10	15		9
10				15			05			23	39			10
11	24				05			81			15			11
12					30	20								12
13	08			04										13
14							10		18		35	23		14
15		26	12	20	15	15				04		05		15
16		24		53	32	43		41	125			56		16
17				10		10		62	10	08	46			17
18						02	20	43	20	24	40			18
19						41								19
20		28		12					10					20
21			11	40						38				21
22				60					31		15			22
23	04								10	23				23
24	15					10		02						24
25												65		25
26								162	24	12		45		26
27	05									20	12			27
28		58	18						08					28
29										40		18		29
30		×				40		48	15	30				30
31		×		×		×			×	15	×	34		31
TOTAL	1·81	1·62	1·64	3·40	8 ·92	4·60 4·55	·61	4·39	0 3·27	08 4·48	3·44	3·29	Year's Total 31·46	32·83
*Days with ·01 in. or more.														
*Days with ·04 in. or more.														

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*) Elizabeth M. Dodds [P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations.

Station No. 3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1936.

Kept at Victoria House Tankerville Terrace

in the County of Wooler, Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

,, Ground ,, Sea Level 176 ft.

Obsr. requested [illegible] return (see file)

corrected for BA.

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						09	18	30	31					1
2			16				27		10	04	05			2
3		50				145	08	15	22			35		3
4									05	12				4
5	70													5
6	15		50				35	50	21		29	05		6
7	10				08		25				04			7
8	08	25									40			8
9	129		61			08		05		27				9
10	15								14	05	16			10
11		25		24	15		05				100			11
12				14		11		21			31			12
13				06		06	62		32			113		13
14				50	17	04			10		06			14
15		50		36			22	12				12		15
16				08							94			16
17	10			05	03		45			10	23	30		17
18	02								08	30				18
19	90						20							19
20	10						35							20
21	20											12		21
22		48	10		10									22
23		50		05			35							23
24					53				75	31				24
25	28	45	13		07		05		07					25
26							05		27	12				26
27			07						14					27
28	12		20									04		28
29	70	100	10		10									29
30		✕	02		19	70	23			20				30
31	25	✕	06	✕		✕			✕		✕		d	31
TOTAL	~~[illegible]~~ 6·12	3-93	1-95	1-48	1-40	~~1-63~~ 2·53	~~3-04~~ 3·70	1-33	2-76	1-51	~~5-60~~ 3·50	2-11	Year's Total ~~30-42~~ 31·32 ✓	
* Days with .01 in. or more.	15	8	10	8	9	7	15	6	13	9	9	7	116	
* Days with .04 in. or more.	14	8	9	8	8	7	15	6	13	9	9	7	113	

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Elizabeth M. Dodds

P.T.O.

COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No 3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1937 4.

Kept at Victoria House Tankerville Terrace

in the County of Wooler Northumberland

Diameter of Funnel of Gauge 5 in.

Height of top of Gauge above Ground 1 ft. in.

" Ground " Sea Level 176 ft.

Corrected for B.A. "Do not send queries." Notes on a/c

Kg. 14.1.36.

B. A ✓

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following ✓

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	08	50	78				20					36		1
2		58							24	21				2
3			50	20	23	08	24	20	12					3
4	53					28						50		4
5			50		35									5
6		25		25	10		15					15		6
7			105				40							7
8		25					25			06	23	60		8
9			50	25			40	13			12			9
10									08		12	100		10
11		20	50	20										11
12							05	22						12
13		40	34		12	11		143	18			50		13
14		60	30			60			12			35		14
15	71		40	33			30							15
16								08	24			100		16
17	20			30		08		10						17
18						23					10			18
19			12		12									19
20	08	10					13		21		40			20
21				20	143					25				21
22			10				15							22
23					10		20			83				23
24	62	25							08			10		24
25			20							33				25
26					40						05			26
27		25								10				27
28	50					07				45				28
29		30	10				05							29
30	50	✗					148			55		20		30
31		✗		✗		✗			✗		✗	10		31 d
TOTAL	3·22	3·8[illegible]	5·[illegible]2	1·75 3	~~2·45~~ 3·45	1·45	~~3·93~~ 4·03	2·16	1·34 3	~~2·58~~ 2·78	1·02	4·86	Year's Total ~~31·24~~	35·33 ✓
* Days with .01 in. or more.														"
* Days with .04 in. or more.														"

40-9999.

* See Instruction 2 (f) on other side.

† Spare column, no entries required.

(*Signed*) Elizabeth M. Dodds [P.T.O.

COPY FOR OFFICIAL USE

Section **A** for the entry of Daily Observations

Station No. 3599

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION

FORM 1090

REGISTER OF RAINFALL IN 1938

Kept at Victoria House Tankerville Terrace
in the County of Wooler Northumberland
Diameter of Funnel of Gauge 5 in.
Height of top of Gauge above Ground 1 ft. in.
,, Ground ,, Sea Level 176 ft.

B A

~~total on~~ back

Jan, May & Sept total corrected for arithmetic

D [illegible] P · [illegible]

THE MORNING MEASUREMENT SHOULD BE ENTERED TO THE PREVIOUS DAY

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		Date
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1						170	90		37		30			1
2						27			11					2
3		05				03	24		07	150				3
4				13							25	13		4
5							12							5
6						10		27	15					6
7					10	10	72				28			7
8							15				100	80		8
9	90									73				9
10	31	20						03			08			10
11					10									11
12								30						12
13			57			15					75	33		13
14	45	20					08		44					14
15					20					10		75		15
16	43				30	18		17						16
17								15						17
18		10			05			15			50	50		18
19														19
20								17	07					20
21					21									21
22										52		56		22
23						24					65			23
24	12				07					123				24
25					10		104							25
26		25		02										26
27						23		07	10	50				27
28	50				105							14		28
29				05		40	38	50			31			29
30		×							60					30
31	60	×		×	40	×			×		×		d	31
TOTAL	$3{\cdot}3\overset{1}{3}$	·80	·57	·20	$2{\cdot}5\overset{8}{9}$	3·40	~~3·83~~ 3·63	1·81	~~1·82~~ 1·91	4·58	4·12	3·21	Year's Total 30·12	
* Days with .01 in. or more.														
* Days with .04 in. or more.														

* See Instruction 3 (f) on other side.

† Spare column, no entries required.

(*Signed*) Elizabeth M Dodds [P.T.O.

3600

3600

MINDRUM, THORNINGTON HSE.

1931 —— 40

280702

FORM 1090. **B** Mo Su

*** The following register of month &c., is NOT required if daily o values are given on the other si … nd also the space for

… ister should be sent:—

RAINFALL IN 1931

THORNINGTON HO

At MINDRUM.

In the County of

… in Summer

Rain Gauge
Diameter of Funnel … Direction from gauge
Height of Top above Ground … ft. … Direction from gauge
Height of Ground above Sea Level …

Month.	Total Depth.	Greatest Fall in 24 hours.		Nu Da ·01 or more	or more
	Inches.	Inches.	Date.	*	*
JAN.	1·89				
FEB.	1·73				
MAR.	1·36				
APRIL	2·46				
MAY	1·61				
JUNE	5·22				
JULY	3·74				
AUG.	3·04				
SEPT.	1·99				
OCT.	1·42				
NOV.	3·00				
DEC.	0·89				
Total	28·35				

Signature Leonard Briggs.

*See Instruction 2 (*f*) below.

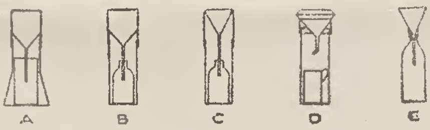
Directions from gauge ..

If gauge has been moved during the year state—

Date of move …… Distance …… Direction ……

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot 14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

M.O.7
1 JAN 1932

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(325) Wt.26154/1775/2214 15,000 2/31. Gp. 119/110.

FORM 1090.

B Mo Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1931

At THORNINGTON HOUSE, MINDRUM.

In the County of Northd

Rain Gauge { Diameter of Funnel .... in.

Height of Top above Ground .... ft .... in.

Height of Ground above Sea Level .... ft.

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches.	Inches.	Date.	*	*
JAN.	1·89				
FEB.	1·73				
MAR.	1·36				
APRIL	2·46				
MAY	1·61				
JUNE	5·22				
JULY	3·74				
AUG.	3·04				
SEPT.	1·99				
OCT.	1·42				
NOV.	3·00				
DEC.	0·89				
Total	28·35				

Signature Leonard Briggs.

*See Instruction 2 (*f*) below.

C Particulars of Station.

3600

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station MINDRUM Distance .... Direction from gauge ....

Nearest Parish Church at LANERY Distance .... Direction from gauge ....

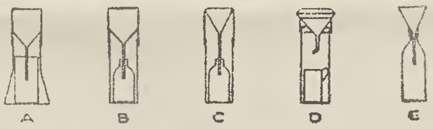
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

- (*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*
- (*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not ·00). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).
  - (A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.
  - (B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.
- (*c*) *On some measures there is graduation marked ·005; this graduation is to show the limit between the amounts which count as ·01 and those which are mere "traces."* An entry ·005 is not to be made in the register.
- (*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 / 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in
- (*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.
- (*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace" The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02, or 0·3.*
- (*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.
- (*h*) The heaviest daily fall for each month should be underlined.

M.O.7
1 JAN 1932

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3600

FORM 1090. **B** Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1932

THORNINGTON HOUSE,

At MINDRUM.

In the County of Northumberland

Rain Gauge
- Diameter of Funnel .... in.
- *Height of Top above Ground* .... *ft* .... *in.*
- *Height of Ground above Sea Level* .... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·56				
FEB.	·70				
MAR.	2·69				
APRIL	1·77				
MAY	2·28				
JUNE	·89				
JULY	2·32				
AUG.	1·37				
SEPT.	(4·93) ~~2·93~~				
OCT.	(5·52) ~~7·52~~				
NOV.	1·07				
DEC.	1·32				
Total	26·42				

Signature Leonard Briggs.

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:— ....

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

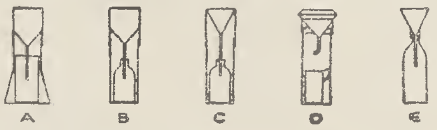
Nature of objects nearest to gauge				
Heights of objects				
Distances ..				
Directions from gauge ..				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and **B.**)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Oct. 2" high.

Heavy fall on 30t September 1.9 at Sillburn Tower. allocate to Sept as above.

adjusted

Sept & Oct adjusted by surrounding stns.

13/5/33.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{matrix}17\\18\end{matrix}\right\}\cdot14$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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3600

FORM 1090.

B Monthly Summary.

*** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1933

THORNINGTON HOUSE,
At MINDRUM.
In the County of Northumberland

Rain Gauge
Diameter of Funnel .... in.
Height of Top above Ground ...... *ft.* ...... *in.*
Height of Ground above Sea Level ...... *ft.*

Month.	Total Depth.	Greatest Fall in 24 hours.		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date.	*	*
JAN.	1·07				
FEB.	4·99				
MAR.	·76				
APRIL	1·50				
MAY	1·96				
JUNE	1·60				
JULY	4·63				
AUG.	1·64				
SEPT.	1·11				
OCT.	3·64				
NOV.	3·31				
DEC.	1·20				
Total	27·41				

Signature Leonard Briggs.

Station No 3600

THORNINGTON HOUSE,
MINDRUM.

For comparison 3598, 3599 + 5088

*See Instruction 2 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible:—

Name and Address to which any inquiry relating to this register should be sent:—

Hour of observation by the clock—in Winter .... in Summer ....

Nearest Railway Station .... Distance .... Direction from gauge ....

Nearest Parish Church at .... Distance .... Direction from gauge ....

Nature of objects nearest to gauge				
Heights of objects				
Distances				
Directions from gauge				

If gauge has been moved during the year state—

Date of move .... Distance .... Direction ....

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.

If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address:—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

February 1-2" High

W.D.

D INSTRUCTIONS.

1. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(*a*) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd. 9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0·0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·05 mm. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* 0·1 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus $\left.\begin{array}{r}17\\18\end{array}\right|\left.\right\}\cdot 14\,\Big|$ would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace". The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

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(506) Wt.24107/1845 15000 3/33. Gp. 119/110.

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COPY FOR OFFICIAL USE.

Section **A** for the entry of Daily Observations. Station No. 3600

AIR MINISTRY.—METEOROLOGICAL OFFICE.—BRITISH RAINFALL ORGANIZATION.

FORM 1090.

REGISTER OF RAINFALL IN 1934.

Kept at Thornington House

in the County of NORTHUMBERLAND

Diameter of Funnel of Gauge.................in.

Height of top of Gauge above Ground.........ft.........in.

,, Ground ,, Sea Level.........ft.

Leonard Briggs.

THORNINGTON HOUSE,
MINDRUM.
North^d

THE MORNING MEASUREMENT IS CREDITED TO THE PREVIOUS DAY.

An observer who does not conform to this rule should insert the reading made on January 1st of the following year in the space on the right of this paragraph.

Jan. 1, following

Please read the Notes and Instructions Overleaf.

Date	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		*Date*
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	†	
1	2·03	·33	4·34	8·93	2·08	2·68	2·25	2·87	1·29	5·88	2·90	4·16		1
2														2
3														3
4														4
5														5
6														6
7														7
8														8
9														9
10														10
11														11
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22														22
23														23
24														24
25														25
26														26
27														27
28														28
29														29
30		×												30
31		×		×		×			×		×			31
TOTAL													Year's Total 39·74	
*Days with ·01 in. or more.														
*Days with ·04 in. or more.														

Totals for months

Years Total
39·74

40-9999

*See Instruction 2 (*f*) on other side.

† Spare column, no entries required.

(*Signed*)..........................

[P.T.O.

3600

(W.D.)

Letter sent 1/1/36

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1935

At Thornington House Mindrum

In the County of Northumberland

Rain Gauge
Diameter of Funnel..........in.
Height of Top above Ground.........ft.............in.
Height of Ground above Sea Level...............ft.

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·93				
FEB.	1·53				
MAR.	1·85				
APRIL	3·79				
MAY	·99				
JUNE	2·66				
JULY	1·77				
AUG.	4·11				
SEPT.	2·16				
OCT.	4·34				
NOV.	3·66				
DEC.	2·94				
TOTAL	31·73				

No rain on Jan 1st 1936 see file.

Signature Leonard Briggs.

*See Instruction 2 *(f)* below.

C ~~Particulars of Station,~~

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..................in Summer..................

Nearest Railway Station.................. Distance.............. Direction from gauge..............

Nearest Parish Church at.................. Distance.............. Direction from gauge..............

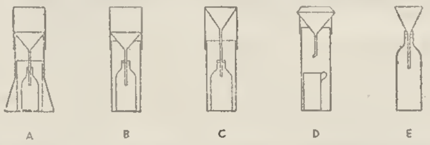
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state –

Date of move.................. Distance.............. Direction..............

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) It is known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Recd ✓

Letter sent 25/1/36 ref 486938/36 asking for daily values

note entries made wrong day

D INSTRUCTIONS.

1 JAN 1936

1. Rules for measuring the rainfull and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from The Director, Meteorological Office, Air Ministry, London, W.C.2, or from The Superintendent, Meteorological Office, 6, Drumsheugh Gardens, Edinburgh 3.

2. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning, preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.* 9 *a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.*

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash— (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than ·005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceeding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather, without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked* ·005; *this graduation is to show the limit between the amounts which count as* ·01 *and those which are mere "traces."* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with* ·01 *in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with* ·04 *in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

3. The columns are so spaced that the entries can be made by a typewriter.

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Wt.3430/1699 15,000 2/35 W. H. & S. 668/91.

3600

FORM 1090.

B Monthly Summary.

** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1936

At Mindrum (Thornington Ho.)

In the County of Northumberland

Rain Gauge
- Diameter of Funnel........................in.
- *Height of Top above Ground.........ft..............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	5·15				
FEB.	3·88				
MAR.	2·53				
APRIL	2·37				
MAY	1·44				
JUNE	2·20				
JULY	4·15				
AUG.	1·29				
SEPT.	3·23				
OCT.	1·54				
NOV.	2·70				
DEC.	1·63				
TOTAL	32·11				

Signature Leonard Briggs Esq.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent:—

....

....

Hour of observation by the clock—in Winter........................in Summer..................

Nearest Railway Station.................................. Distance.................. Direction from gauge............

Nearest Parish Church at.................................. Distance.................. Direction from gauge............

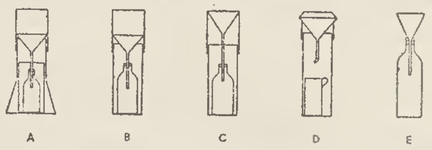
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address:—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied:—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Returns are known to be wrong day but observer refuses to change method.

Nov. appears low

Copied from other side of 1090

W.D

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type*:—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace,* ·01, ·02 *or* ·03.

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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3600

FORM 1090.

B Monthly Summary.

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1937

THORNINGTON HOUSE,

At MINDRUM.

In the County of Northumberland

Rain Gauge { Diameter of Funnel........................in.

Height of Top above Ground.........*ft*............*in.*

Height of Ground above Sea Level.................*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·11				
FEB.	3·72				
MAR.	4·72				
APRIL	1·31				
MAY	3·78				
JUNE	1·86				
JULY	3·66				
AUG.	2·95				
SEPT.	1·48				
OCT.	3·76				
NOV.	1·05				
DEC.	5·59				
TOTAL	36·49 9				

[illegible]

Signature Leonard Briggs.

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

Hour of observation by the clock—in Winter.......................in Summer..................

Nearest Railway Station..............................Distance..................Direction from gauge.............

Nearest Parish Church at..............................Distance..................Direction from gauge.............

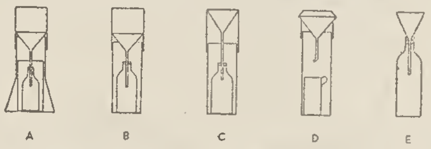
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move..............................Distance..............Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall**, please give the observer's name and address :—

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

W. D. Observer says he doesn't conform to regulations.

(My wettest Dec:)

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

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9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0). The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

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(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, ~~the days covered by the next reading should be indicated by a~~ bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

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(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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S.O. Code No. 40-9999

FORM 1090. **B** Monthly Summary. **C** Particulars of Station. 3600

*** The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1938.

THORNINGTON HOUSE,

At MINDRUM.

In the County of NORTHD

Rain Gauge
- Diameter of Funnel.....................in.
- *Height of Top above Ground.........ft.............in.*
- *Height of Ground above Sea Level..................ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	3·10				
FEB.	·90				
MAR.	·67				
APRIL	·48				
MAY	2·73				
JUNE	3·27				
JULY	3·07				
AUG.	2·42				
SEPT.	2·03				
OCT.	3·53				
NOV.	3·60				
DEC.	2·45				
TOTAL	28·25				

Signature Leonard Briggs.

* See Instruction 3 (*f*) below.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Leonard Briggs
Thornington House Mindrum Northd

Hour of observation by the clock—in Winter.....................in Summer..................

Nearest Railway Station MINDRUM Distance.................Direction from gauge.............

Nearest Parish Church at LANERY Distance.................Direction from gauge.............

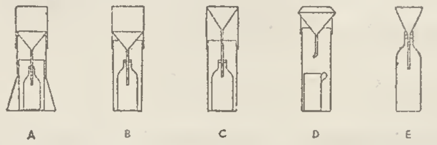
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.. Distance.............. Direction...........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked A and B.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted in **British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

Register Station No
3600

M.O. 7
JAN.

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(*a*) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(*b*) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(*c*) *On some measures there is graduation marked ·005: this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(*d*) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(*e*) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(*f*) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(*g*) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(*h*) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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Wt. 3079/2165 25,500 12/37 W. H. & S. 668/91 S.O. Code No. 40-9999

3600

FORM 1090.

B Monthly Summary.

, The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.

RAINFALL IN 1939

THORNINGTON HOUSE

At MINDRUM.

In the County of NORTH^D

Rain Gauge { Diameter of Funnel..........in.

Height of Top above Ground.........*ft*.........*in.*

Height of Ground above Sea Level.........*ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01in. or more	·04in. or more
	Inches	Inches	Date	*	*
JAN.	5·72				
FEB.	1·29				
MAR.	3·03				
APRIL	1·94				
MAY	·76				
JUNE	2·10				
JULY	2·12				
AUG.	·86				
SEPT.	1·31				
OCT.	5·47				
NOV.	3·02				
DEC.	1·83				
TOTAL	~~23·73.~~ ~~29·45~~ 2945				

Signature Leonard Briggs

* See Instruction 3 *(f)* below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—

....

....

Hour of observation by the clock—in Winter..........in Summer..........

Nearest Railway Station MINDRUM Distance 2 Miles Direction from gauge..........

Nearest Parish Church at Kirknewton Distance.......... Direction from gauge..........

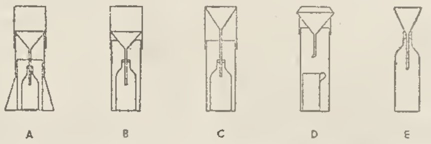
Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move.......... Distance.......... Direction..........

Indicate pattern of gauge in use by deleting those sketches of cross sections of gauges which do not represent it. If the pattern is different from any of these please make a sketch of it. (Good gauges to use are those marked **A** and **B**.)

If the gauge is of a self-registering or self-recording type please give particulars.



If you know of any record of rainfall not quoted **in British Rainfall,** please give the observer's name and address :—

....

NOTES ON EXCEPTIONAL RAINFALL OF THE YEAR.

In giving particulars of falls of unusual intensity it is desirable that answers to the following questions be supplied :—

(a) Is it known that the gauge was empty at the beginning of the measured rainfall?
(b) What note was made of the times of beginning and end of this fall?
(c) When was the measurement made?

-3 JAN. 1940

D INSTRUCTIONS.

1. Section A should be completed in the case of gauges read daily. Information on Section B is required only if Section A cannot be filled in. Section C should also be completed. Rainfall registers should be forwarded to The Director, Meteorological Office, Air Ministry, London, W.C.2, or The Superintendent, Meteorological Office, 6 Drumsheugh Gardens, Edinburgh 3.

2. Rules for measuring the rainfall and for correctly recording the measurements are given in "Rules for Rainfall Observers," to be obtained gratis from the addresses given in 1 above.

3. In filling up the register on the reverse side the following rules should be observed. Those rules which apply *also* to the summary form above are printed in *italic type* :—

(a) *Rain should be measured each morning preferably at 9 a.m., Greenwich Mean Time. The measurement is to be credited to the previous day and should be entered in the register at the time of observation. Thus the entry for January 1st is the rainfall for the 24 hours following 9 a.m. on January 1st; it is therefore the amount measured on January 2nd.*

9 a.m. Greenwich Mean Time is 10 a.m. by the clock during Summer Time Period.

(b) *The rain-gauge should be visited every morning without exception.* When there has been no precipitation the entry in the register should be a dash — (not 0.0) The entry "trace" or "tr" is to be made in the two following cases, (A) and (B).

(A) When there is less than .005 in. of water in the gauge and the observer knows that this is not the result of a drop or two draining from the sides of the can after emptying the rainwater out of it at a previous time of observation, i.e., the observer must be reasonably certain that there has actually been precipitation since the preceding measurement. If the observer knows that the precipitation has been in the form of dew or wet fog this may be noted.

(B) The observer knows definitely from his own observation that some rain (or other form of precipitation such as snow, hail, sleet or drizzle) has fallen since the preceding observation, and yet finds no water in the gauge. This happens sometimes especially in dry, warm weather without the gauge being even damp, the small amount of rain having evaporated before it got into the receiving can.

(c) *On some measures there is graduation marked ·005; this graduation is put on for the purpose of assisting observers in reporting "trace" of rain. Readings below this mark are entered as "trace" if the conditions stated in paragraph (b) are satisfied. Readings on this ·005 mark or between this ·005 and the ·01 mark are to be entered as ·01 even though they may be nearer to the ·005 mark than the ·01 mark. In this particular case the general rule of reading to the nearest mark is superseded by this special instruction.* An entry ·005 is not to be made in the register.

(d) If the morning observation has to be omitted for one day or more, the days covered by the next reading should be indicated by a bracket. Thus 17 18 } ·14 would show that the reading on the morning of the 18th day of the month was missed and that the reading on the morning of the 19th was ·14 in.

(e) *The total rainfall for the month is found by addition. The addition should always be done a second time as a check.* The check is of special importance when the total has already been found in another copy of the register.

(f) *The "number of days with ·01 in. or more" includes all the days with any rain except those for which the entry is "trace." The "number of days with ·04 in. or more" includes all the days with any rain except those for which the entries are trace, ·01, ·02 or ·03.*

(g) If observations are not available for every day during the month the spaces for the number of days with rain should be left blank.

(h) The heaviest daily fall for each month should be underlined.

4. The columns are so spaced that the entries can be made by a typewriter.

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360

Form 1090. **B** Monthly Summary.

** **The following register of monthly totals, &c., is NOT required if daily or weekly values are given on the other side.**

RAINFALL IN 1940

At Thornington House

In the County of North^d

Rain Gauge
- Diameter of Funnel ...... in.
- *Height of Top above Ground ...... ft. ...... in.*
- *Height of Ground above Sea Level ...... ft.*

Month	Total Depth	Greatest Fall in 24 hours		Number of Days with	
				·01 in. or more	·04 in. or more
	Inches	Inches	Date	*	*
JAN.	1·28				
FEB.	2·16				
MAR.	3·34				
APRIL	1·29				
MAY	1·56				
JUNE	2·74				
JULY	9·34				
AUG.	1·14				
SEPT.	2·53				
OCT.	2·87				
NOV.	2·98				
DEC.	2·84				
TOTAL	33·97 34·07				

Total corrected for Faith:

Signature Leonard Briggs.

THORNINGTON HOUSE,
MINDRUM.
NORTH^D

* See Instruction 3 (*f*) below.

C Particulars of Station.

Every observer is requested to fill in this section and also the space for notes as far as possible :—

Name and Address to which any inquiry relating to this register should be sent :—
Leonard Briggs
Thornington House Mindrum North^d

Hour of observation by the clock—in Winter ...... in Summer ......

Nearest Railway Station MINDRUM Distance 2 Miles Direction from gauge ......

Nearest Parish Church at ...... Distance ...... Direction from gauge ......

Nature of objects nearest to gauge				
Height of objects				
Distances ...				
Directions from gauge ...				

If gauge has been moved during the year state—

Date of move ...... Distance ...... Direction ......

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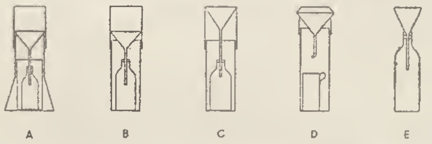
If the gauge is of a self-registering or self-recording type please give particulars.



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M. O. 3a.
4 JAN 1941
B. R.

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